THUNDER TIGER

JACKAL

1/10 SCALE ELECTRIC 4WD DESERT BUGGY
1/10 無刷電動四驅沙漠越野車



This radio control model car is not a toy! Before beginning assembly, please read this manual thoroughly.
本產品為高性能模型非一般玩具，組裝與操作前，請詳閱本產品說明書。

The contents are subject to change without prior notice due to product improvements and specificatrion changes.
本套件所附之零件可能跟圖示有所差異。因產品後續之設計研發或功能不斷改善之因，我們將保留產品規格變更權力，不再另行通知使用者。

Thunder Tiger offers online help on **thundertiger.com**, our product specialists are ready to take your call if you have any technical questions. Have fun and enjoy the exciting world of R/C.
若您在產品的使用上有任何的疑問，歡迎多加利用我們所提供的即時諮詢留言版或洽詢雷虎科技授權經銷商。雷虎科技的全球英文網址為 **thundertiger.com**，我們將竭誠為您服務！

Instruction Manual & Parts Catalogue
操作說明書及零件包型錄

WARRANTY 品質保證事項

Thunder Tiger Corporation guarantees this model is free from defects in both material and workmanship. The total monetary value under warranty will in no case exceed the cost of the original product purchased. This warranty does not cover any components damaged by use or modification. Part or parts missing from this product must be reported within 60 days of purchase. No part or parts will be sent under warranty without proof of purchase. To receive part or parts under warranty, the service center must receive a proof of purchase and/or the defective part or parts. Should you find a defective or missing part, contact the authorized Thunder Tiger Service/Distributor near you. Under no circumstances a dealer or distributor accept return the product has been used.

本公司對於製造過程中產生之瑕疵，負完全品質保證責任。保證事項僅限於產品本身與隨產品所附之零配件。
品質保證不包含因使用、組裝或調整本產品或其他所有非產品本身品質所發生之損壞。

Safety Precautions 安全注意事項

Please read all of the instructions and familiarize yourself with the product and its controls before operation.

1. This product is not a toy. It is a high performance model car therefore it is important to familiarize yourself with the model, its manual, and its construction before assembly or operation. Adult supervision is necessary for children operating this model.
2. Always keep this instruction manual on hand during assembly and for operating reference.
3. Do not use a power screwdriver to install screws into plastic parts. A power screwdriver's high rotation speed can heat up the screw being installed which can result in some melting of the plastic parts or stripped threads.
4. For best performance, it is important to make sure all the moving parts can move freely without binding.
5. This product, its parts, and its assembly tools can be harmful to your health. Always exercise extreme caution when assembling and operating this product. Keep away from any high speed rotating parts during operation.
6. The Power System is NOT WATERPROOF. Do not expose system to any type of water, condensation, or moisture.
7. Use Stock Connectors：Removing the battery connector on the speed control will void the product's warranty.

⚠ **WARNING ! To avoid a possible fire hazard, ALWAYS unplug the battery after use. Do NOT leave your vehicle unattended with the battery plugged in.**

感謝您購買雷虎科技產品，在您開始操作本產品前，請詳閱本產品說明書。

1. 本產品為高性能模型產品非一般玩具，組裝與操作過程皆須由成人陪同。請詳讀此本使用說明書，避免因組裝錯誤與操作不當造成損壞。
2. 請妥善保管此說明書，對於後續維修、操控說明將可提供您協助。
3. 請勿使用電動工具旋緊自攻螺絲於塑膠零件上，可能導致塑膠零件融化或滑牙。
4. 請檢視所有活動部位零件是否不受干涉，可靈活作動，以達車輛最佳性能。
5. 此項產品具有相當之危險性，於組裝、調整、操控上的不熟悉都可能造成自身或他人的傷害，發生這些傷害事件時，製造商是可以免除責任的，建議您於初次使用本產品前，先行請教具有相程度經驗同好或是專業雷虎經銷商與模型專賣店。
6. 本車配備之動力系統並不具「防水」功能。請勿將動力系統暴露在任何類型的液體中，也包含充滿水氣或是高度潮濕的環境中。
7. 請使用原廠電源接頭：移除原廠電子速控器所附電源連結頭將違反產品保固，本公司有權拒絕售後服務。

⚠ **警告！為避免因電線短路等因素而引起之可能災害，請務必於操作本產品後，將電池接頭拔除以避免可能發生之危險！請勿在電池接頭未經拔除前就將產品儲藏於無法留意之處。**

Index 索引

Tools Required For Assembly 組裝維修工具 ---- P.1
Items Required For Operation 周邊配件 ---- P.2
Charging The Battery Pack 電池包充電 ---- P.2
Wheel And Tire Preparation 輪胎及輪轂 ---- P.3
Using Different Batter Configurations 電池尺寸規範 ---- P.3
Battery Installation 電池安裝 ---- P.4
The Rc 2.4GHz System 熟悉2.4GHz電控系統 ---- P.5
Binding Process 安全校頻配對(鎖碼) ---- P.6
Fail Safe Function 失控保護功能 ---- P.7
Radio Operation 遙控器操作 ---- P.8
Operating Radio Steering Function 遙控器設定－轉向 ---- P.8
Driving Basic 操控基本動作 ---- P.8
Adjusting Slipper Clutch System 限滑器(滑動離合器) ---- P.9
Front Toe-in / Toe-out 前輪束角調整 ---- P.9
Front Camber 前輪傾斜角調整 ---- P.9
Adjusting The ESC 速控器調整 ---- P.10
Shock Adjustment 避震器懸吊調整 ---- P.11
Maintenance After Running 車體保養 ---- P.11
Driving Tips 操控的小技巧 ---- P.12
Troubleshooting 常見問題與解決方法 ---- P.13
Product Overview 產品概要 ---- P.14
Assembly Exploded View 組裝爆炸圖檢索 ---- P.15
Jackal Spare Parts List 零件表 ---- P.22
Declaration Of Conformity 符合標準聲明 ---- P.27

Tools Required For Assembly 組裝維修工具

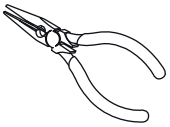
Temp.Gun
測溫槍



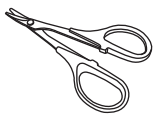
Gloves
棉紗手套



Needle Nose Pliers
尖嘴鉗



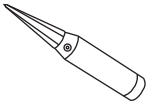
Lexan Body Curved Scissor
車殼專用剪



Wire Cutter
斜口剪



Body Reamer
車殼鑽孔器



Philips Screwdrivers
十字起子



Hex Head Screwdrivers
六角起子



Grease
潤滑油（黃油）



Silicon Oil
矽油



Thread Locking Adhesive
螺絲防鬆膠



Items Required for Operation 周邊配件

RTR CONTENTS 完成車輛配備



3-Channel digital 2.4GHz pistol radio system
with Standard Servo.
3動作發射機、接收機及伺服機



TT80WE
Brushless Motor ESC
車用無刷馬達速控器80A



Brushless Motor
車用無刷馬達 3600 KV



Hex Wrench Set
1.5mm / 2.0mm / 2.5mm
六角扳手



4-Way Wrench
4向六角螺帽套筒板手



2-Way Wrench
2向六角螺帽板手

EQUIPMENT NEEDED 需求配件

（Not included in the kit 不包含在此套件內）



AA Alkaline dry batteries
4 pieces for transmitter
發射機用電池



Li-Po Batter Pack x 1
7.4V (Hard Case)
鋰電7.4V硬殼 x 1

RTR

95% Assembled, Ready to Run
Engine/Motor, ESC, Radio/Servos Installed
Requires Battery and Charger

本體95%組裝完成。
引擎發動機或馬達、電調、伺服機及相關電裝組配完成。
需另備電池及充電器。

1 CHARGING THE BATTERY PACK 電池包充電

⚠ Battery and Charger are not included in the kit. **本產品不含電池及充電器**

Before charging the battery, read the instructions for the battery and battery charger.
準備充電前，請先詳閱電池及充電器的操作說明。

LiPo BATTERIES 鋰電池充電注意事項

Lithium Polymer (LiPo) batteries are becoming popular for use in R/C models due to their compact size, high energy density, and high-current output. However, these types of batteries require special care and handling procedures for long life and safe operation.

⚠ **Warning ! Lithium Polymer (LiPo) batteries are intended only for advanced users that are educated on the risks associated with LiPo battery use. THUNDER TIGER does not recommend that anyone under the age of 16 use or handle LiPo battery packs without the supervision of a knowledgeable and responsible adult.**

⚠ **Important ! Do not use NiCd / NiMH battery chargers for LiPO batteries. If you do not use a special charger for LiPO batteries, they will be damaged.**

The electronic speed control is able to use LiPo batteries with nominal voltage not to exceed 11.1 volts (2S packs x1 recommended). Exceeding these voltages may result in damage to your brushless system. LiPo batteries have a minimum safe discharge voltage threshold that should either not be exceeded. The electronic speed control is equipped with built-in Low-voltage detection that cuts the power automatically when batteries have reached their minimum voltage (discharge) threshold. Refer to the low power auto-cut table in the ESC instruction manual. It is the driver's responsibility to stop immediately to prevent the battery pack from being discharged below its safe minimum threshold. It is critical for you, the user, to follow all other instructions supplied by the battery manufacturer and the charger manufacturer for proper charging, use, and storage of LiPo batteries. Make sure you understand how to use your LiPo batteries. Be aware that THUNDER TIGER shall not be liable for any special, indirect, incidental, or consequential damages arising out of the installation and / or use of LiPo batteries in THUNDER TIGER models.

鋰電池（鋰聚合）因為其形狀的多變性，高電容量及高放電的特性，所以現今已是非常受歡迎的一種遙控模型電池種類。然而由於此種電池具有相程度的使用風險性，故在使用時「正確的使用」以延長電池壽命與嚴守「操作安全」這兩點是需特別注意的。

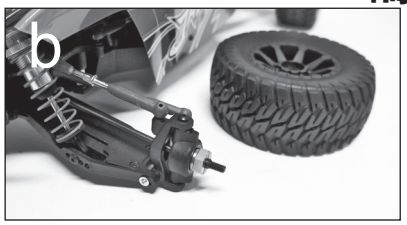
⚠ **警告！鋰電池（鋰聚合）的使用者需具備進階鋰電池使用知識，並瞭解其中可能因為使用錯誤，所引發的潛在危險。THUNDER TIGER 強烈建議使用者需年滿 16 歲或是經由具有鋰電池進階使用知識的成人陪同操作。**

⚠ **注意！請勿使用氫/鎘充電器對鋰電池進行充電！此舉很可能引起電池的損壞。請使用專業之鋰電池充電器進行鋰電池之充放電。**

此無刷馬達速控器在設計上是可以允許使用鋰電池，但須注意請勿使用超過11.1 volts (建議使用2S packs x1)的鋰電池，否則你的無刷馬達速控器及無刷馬達很可能因過高的電壓而燒毀。使用鋰電本身應該也需具有過度放電之保護，以避免電電池本身的壽命及效能產生不可回復性的傷害。此無刷馬達速控器本身內建有低電壓偵測裝置，電池電壓低於一定電壓時速控器會進行自動斷電程序以保護電池之壽命。請參考速控器說明書上低電壓斷電。發生上述斷電情況請操作者即刻暫停操作以防電池之損壞。操控者在使用鋰電池時應先詳讀電池及充電器廠商所提供之使用操作說明書以瞭解正確的鋰電池充放電方法，儲存及使用方式。請注意！THUNDER TIGER 對於消費者因為使用或安裝鋰電池於所屬之遙控模型上，而造成任何的直接或間接的損害，無須擔負任何法律責任。

2 WHEEL AND TIRE PREPARATION 輪胎及輪轂

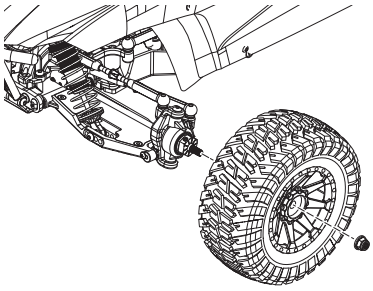






a. Remove wheel lock nut using the 4-way wrench and detach wheels.
b. Replace fresh tires and wheels if the original tires are worn out.
c. Tighten the wheel lock nut.

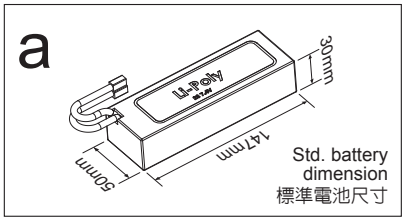
⚠ **Make Sure The Axle Nuts Are Tight Before Each Run**
Before operating your Jackal, take a moment to make sure the axle nuts are tight, as they may have loosened during shipping. The correct size axle-nut wrench is supplied with the truck. Check the tightness of the axle nuts before each run. The Jackal's high speed and torque can loosen the nuts over time if left unchecked.

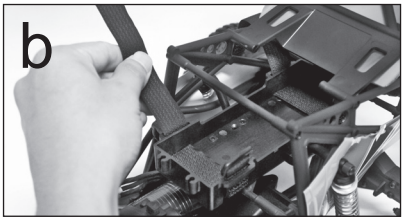


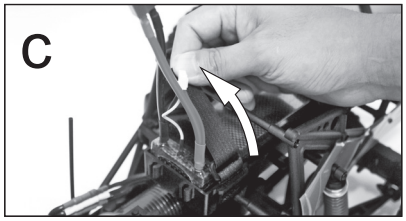
a. 使用內附之六角螺帽套筒板手將輪轂上六角固定螺帽取下。
b. 將已磨損嚴重之輪胎組取下後，換上新的輪胎組。
c. 將六角固定螺帽重新鎖緊。

⚠ **輪胎鎖附步驟加註注意事項**
在操作之前請先確認輪胎之固定六角螺帽是被鎖緊的。如未鎖緊，可使用隨車所附的螺帽套筒扳手將螺帽鎖緊。每趟跑完或是再次出發前請務必檢查固定螺帽是否鬆脫？此車之高轉速與高扭力很可能於每一次的操作時使螺帽漸漸地鬆脫。

3 USING DIFFERENT BATTER CONFIGURATIONS 電池尺寸規範



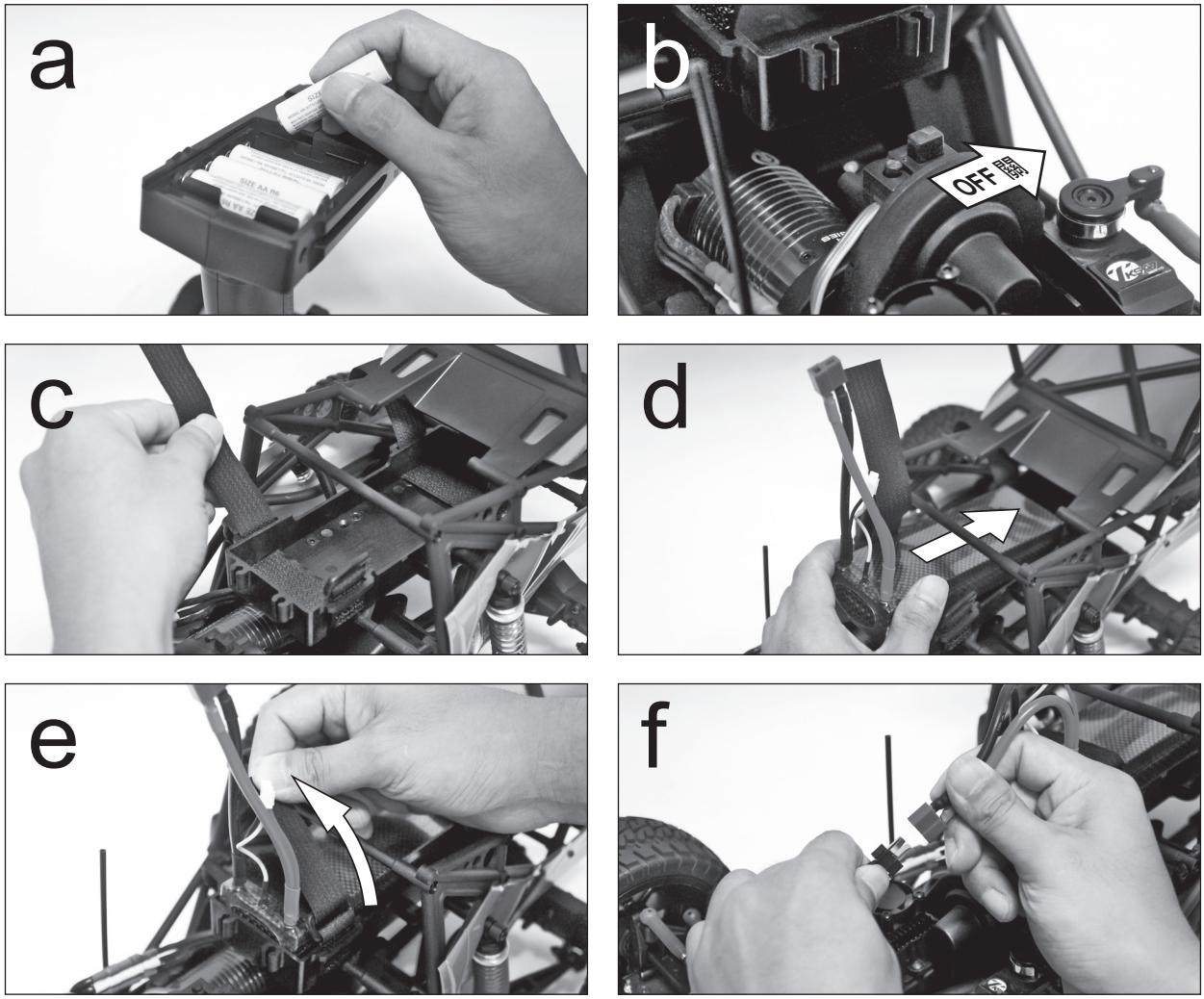




a. From the factory, the compartments are configured to accept the standard sized battery pack shown. (147 x 50 x 30mm)
b. JACKAL battery box has velcro bundling strap can help to fix battery.
c. Put battery into battery box, tight battery with velcro bundling strap to fix battery.

a. 原廠建議使用為如圖示尺寸之電池。(147 x 50 x 30mm)
b. JACKAL電池盒備有束帶可協助固定不同尺寸之電池。
c. 使用方式為放入電池後，將束帶穿過方環向上拉緊，再往回貼合（本束帶為勾毛同體）。

4 BATTERY INSTALLATION 電池安裝 (Batteries are not included in the kit. 本產品不含電池)



a. Install 4pcs alkaline or rechargeable AA-size batteries into transmitter.
b. Make sure switch is OFF.
c. Release both velcro bundling strap.
d. Put battery into battery box.
e. Tight battery with velcro bundling strap to fix battery.
f. Connect battery cable with ESC cable.
(***Please always disconnect battery cable from ESC after use, and take out battery from battery box***) ⚠

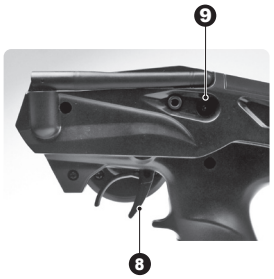
⚠ **Disconnect Batteries After Use**
Always disconnect the batteries from the speed control when you are finished using your vehicle. The switch on the speed control only shuts off power to the receiver and servos. The speed control continues to draw power as long as it is plugged in and may overdischarge your batteries if they are left connected to the speed control.

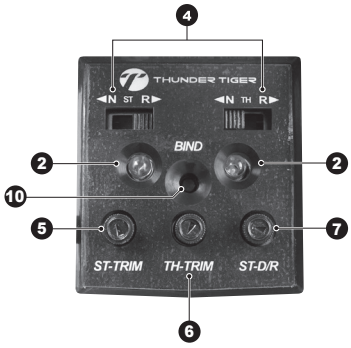
a. 安裝四顆三號鹼性電池或充電電池於發射機內。
b. 先確認電源是關閉的。
c. 鬆開前後束帶。
d. 安裝適當電池於電池盒中，電池出線面向電池盒的前面。
e. 放入電池後，將束帶穿過方環向上拉緊，再往回貼合（本束帶為勾毛同體）。
f. 將電池線連接速控器電源線。(注意：每次操作完畢，請將電池與速控器電源線分離並取出電池。) ⚠

⚠ **操作完畢注意事項**
請務必於每次操作完畢後解除電子速控器與電池的連結狀態。電子速控器電源開關僅只關掉接收機與伺服機的電源供應。電池內部電流消耗會因為電源線未拔離而持續且可能會因此而過度放電而導致無法預期的危險。

5 THE RC 2.4GHz SYSTEM 熱悉2.4GHz電控系統







1. Transmitter Antenna 發射機天線
2. Battery Level Indicator 發射機電源顯示燈
3. Power Switch 電源開關
4. Servo reversing switches 正逆轉設定裝置
5. Steering Trim 轉向微調鈕
6. Throttle Trim 油門微調鈕
7. Steering D/R (Dual Rates) 轉向大小動調整鈕
8. Throttle Trigger 油門控制板機
9. External Charging Jack 充電孔
10. 2.4GHz Binding / LED 2.4GHz校頻配對設定鈕
11. Steering Wheel 轉向舵輪
12. Battery Cover -- 電池蓋

TRANSMITTER CONTROLS

1. **Transmitter Antenna:** Straighten up the antenna before operating the model.
2. **Battery Level Indicator:** Green / Red LEDs indicate the battery voltage. If the Red LED flashes, please replace the batteries.
3. **Power Switch:** Slide to turn the transmitter on or off.
4. **Servo reversing switches:** To reverse the servo's rotation direction at the flip of the switch. The reversing switches are recessed into the transmitter to prevent accidental operation.
5. **Steering Trim:** Adjusts the steering in small increments or decrements to run the model straight.
6. **Throttle Trim:** Adjusts the throttle in small increments or decrements to shift the neutral position.
7. **Steering D/R (Dual Rates):** Turn this knob left or right to adjust the amount of the steering dual rate. Right to increase dual rate amount and left to decrease the amount.
8. **Throttle Trigger:** Pull or push to control the movement of the model.
9. **External Charging Jack:** For rechargeable NiCd/NiHM battery pack on the transmitter only.
10. **2.4GHz Binding / LED:** The Binding button is located on the top of the 2.4GHz transmitter. For additional details, please refer to the “Binding” setting procedure (Page 6). LED indicate the RF status. The Red LED means RF funtion is not work.
11. **Steering Wheel:** Control the steering of the model.
12. **Battery Cover:** Slide cover to install or remove batteries.

發射機各部功能簡介

1. **發射機天線**：操作前直立發射機天線。
2. **發射機電源顯示燈**：二顆LED設計顯示發射機電池殘量，若紅色LED燈閃爍時，請更換發射機電池。
3. **電源開關**：發射機電源開關
4. **正逆轉設定裝置**：依實際使用，控制伺服機作動方向。
5. **轉向微調鈕**：利用此旋鈕，調整設定轉向正確中立點位置。
6. **油門微調鈕**：利用此旋鈕，調整設定油門正確中立點位置。
7. **轉向大小動調整鈕**：調整轉向伺服機的行程量。
8. **油門控制板機**：控制車輛前進或後退的裝置
9. **充電孔**：使用充電式電池時，可利用此充電孔，進行充電工作。
10. **2.4GHz 校頻配對設定鈕**：2.4GHz之BINDING SW校頻配對設定鈕，為配對發射/接收頻率之用。更多功能設定方式請參考說明書第6頁“校頻配對步驟”。
11. **轉向舵輪**：控制車輛轉向裝置
12. **電池護蓋**：推移電池護蓋即可取出電池進行更換。

6 BINDING PROCESS 安全校頻配對(鎖碼)

Our products are well matched in the factory, you do not need to match by yourself. But if your are going to match the receiver with other transmitter, or you need to change a new receiver or transmitter, please follow the following steps;

a. Install the battery to 2.4G transmitter and shut it down.
b. Insert the matching lines to the channel BIND/CH3 port of the receiver. (Figure.1)。
c. Connect the receiver battery to VCC port of the receiver, on the same time the two LED are flashing shing and this means the receiver are going to the matching status.
d. Press and hold the button on the transmitter, and then switch on the power supply.
e. Observe the LED on the receiver, if find that the LED is not flash anymore and that means successful Matched. (This process about 5s)
f. Release the match button on the transmitter, take out the match line.
g. Install the server and then test.
h. If the tests fail, please repeat the action above.
i. If the tests success, then insert the power supply port into VCC, match complete.

我們的產品在出廠前已經過配對，您無需做配對動作便可使用。但如果您要將接收機跟另外的發射機進行配對使用，或者您要更換新的接收機或者發射機，請您按如下的步驟進行：
注：我們的接收發射系統，不跟其它品牌相容！

a. 將2.4G發射機裝好電池，並關閉發射機。
b. 將配對線插入接收機的BIND/CH3通道介面（如圖1）。
c. 將接收機電池插入接收機的VCC通道介面，此時可看到接收機的LED在閃爍，此表示接收機進入配對狀態。
d. 將發射機上的配對鍵(BIND)按住，然後打開發射機電源開關。（注：不要鬆開按鍵）。
e. 觀察接收機上的LED，如果發現LED不再閃爍表示配對成功。（注：此過程大約時間為5S左右）。
f. 鬆開發射機上的配對按鍵，拔掉接收機上的配對線。
g. 將伺服器裝上並通電測試。
h. 如果測試NG，則重複以上動作。
i. 如果測試OK，則將電源接頭插入VCC，配對完成。

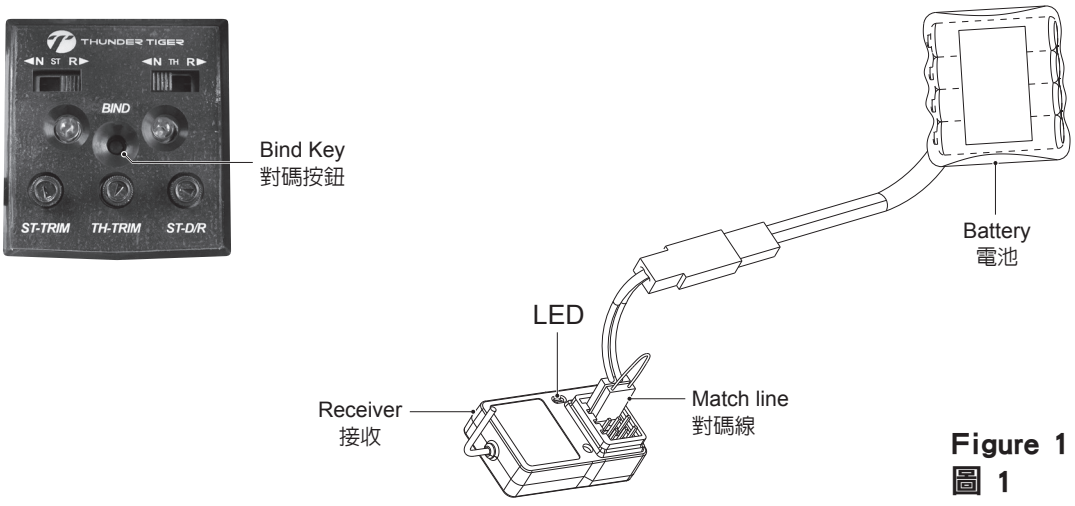


Figure 1
圖 1

7 FAIL SAFE FUNCTION 失控保護功能

FAIL SAFE FUNCTION

1. Function
Failsafe aims to prevent out-of-control driving of RC Car or RC Boat. If the Receiver is not able to receive Any signal, from the control to Throttle, the parameter of Throttle on Receiver will turn back to its original Setting.

2. Setting
   a. Turn on the Transmitter switch;
   b. Turn on the Receiver switch, the LED will be lighting;
   c. Adjust Transmitter's Throttle, make the car/boat to stop or flameout, then keep still.
   d. Press the “setting” button on Receiver (as the pic below), the LEDwill be flashing, then stop after 3seconds around, which means setting finished.
   e. OK!

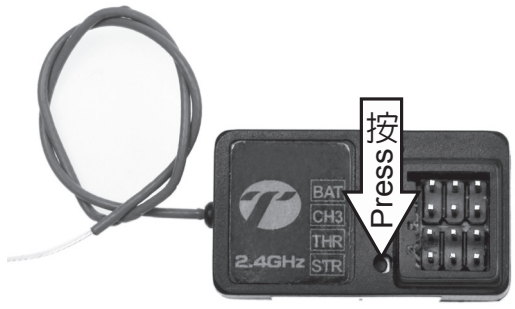
3. Testing
   f. Turn on the Transmitter switch;
   g. Turn on the Receiver switch;
   h. Turn off the Transmitter switch;
   i. Servo of Throttle will turn back to its original setting automatically;
   j. Setting is successful if above procedures finished completely.

失控保護功能說明

1. 功能說明
失控保護功能是對模型車或船進行失控保護，避免因失控造成損失。主要是對油門通道進行控制，當接收機接收不到控制信號時，接收機的油門通道將自運行到當初設定的值，以免誤動作。

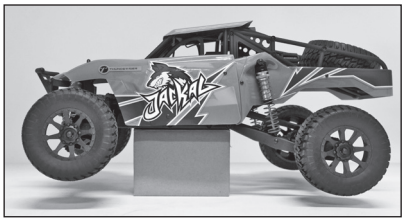
2. 設定方法
   a. 將發射機開通電源進入工作狀態.
   b. 將接收機接通電源進入工作狀態，此時信號燈恒亮.
   c. 控制發射機的油門通道，使油門控制伺服器或調速器進入剎車或熄火狀態，然後保持不動.
   d. 此時將接收機的設定鍵（如圖按下），此時接收機LED信號燈會閃爍，並在3秒左右停止.
   e. 設定完成.

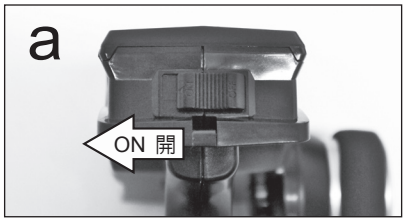
3. 測試
   f. 將發射機打開進入工作狀態.
   g. 將接收機接通電源進入工作狀態.
   h. 將發射機關閉電源.
   i. 此時可看到油門通道的伺服器便會自動進入設定狀態的位置
   j. 以上動作如果可以完成表示設定OK

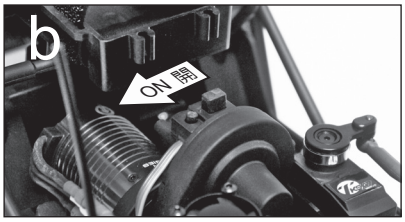


8 RADIO OPERATION 遙控器操作

⚠ **WARNING: The brushless system is very powerful. For safety, please always keep the wheels away from the track when you are preparing to switch on the car.**
注意：本系統功率十分強勁！基於安全因素，建議請在車輪懸空的裝態下開啟系統電源，避免非預期性的暴衝。



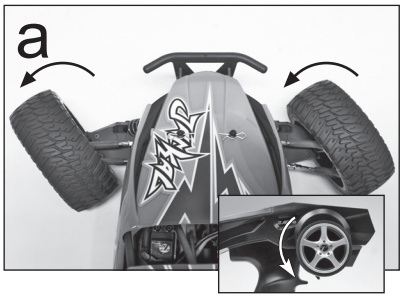




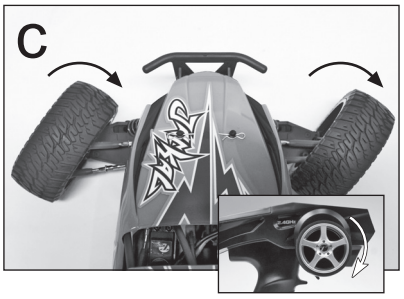
a. When turning radio system on. Turn the transmitter on first, then turn on the ESC.
b. When turning the radio system off. Turn the ESC off first, then turn off the transmitter.

a. 為避免車子失控暴衝，先開啓發射機電源。
b. 接著開啓速控器電源。電源的關閉則是相反的順序，先關速控器電源，再關發射機電源。

9 OPERATING RADIO STEERING FUNCTION 遙控器設定－轉向



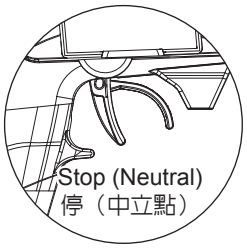


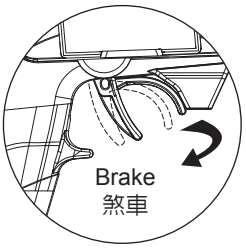


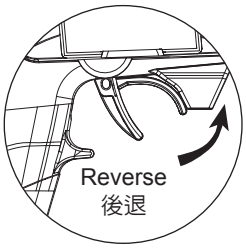
a. Check the radio steering functions. With the radio transmitter and receiver on, turn the steering wheel to the left. The front tires / wheels should turn left accordingly. If not, flip the steering servo reverse switch.
b. Return the steering wheel to neutral. The front tires/wheels should point straight forward. If not, use the steering trim lever to correct it.
c. Turn the steering wheel to the right. The front tires/wheels should turn right accordingly.

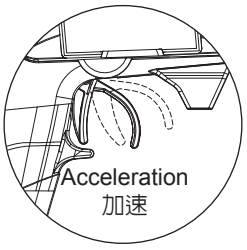
a. 確認轉向功能。打開發射機及接收機電源，方向轉左邊時，輪胎將朝向左邊，若方向不一致，請調整方向的正逆轉開關。
b. 方向回中立點時，前輪應筆直向前，若有偏差，請調整方向微調旋鈕。
c. 方向轉向右邊時，前輪應轉向右邊。

10 DRIVING BASIC 操控基本動作

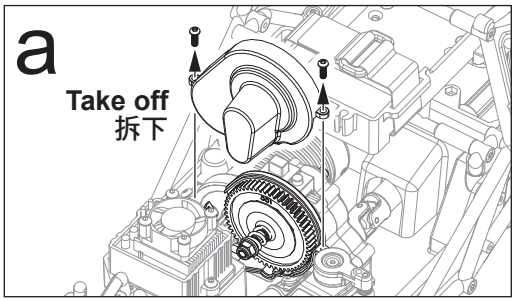


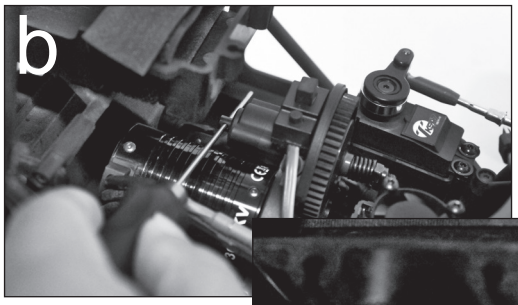


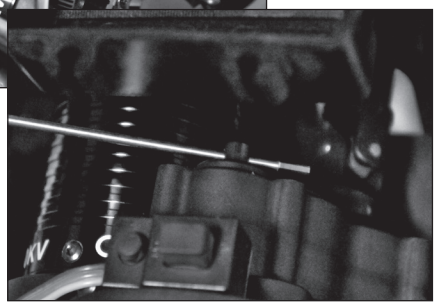


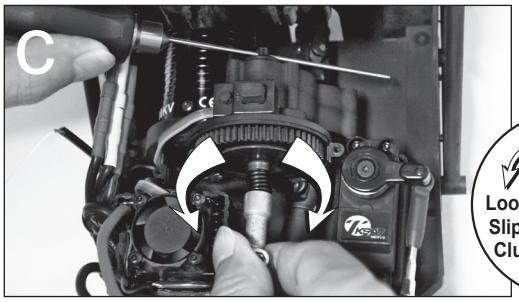


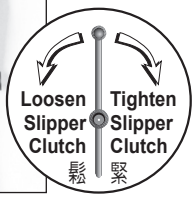
11 ADJUSTING SLIPPER CLUTCH SYSTEM 限滑器(滑動離合器)











The Jackal is equipped with an adjustable slipper clutch which is built into the large spur gear. The purpose of the slipper clutch is to regulate the amount of power send to the wheels to prevent tire spin. When it slips, the slipper clutch makes a high-pitch, whining noise.

a. You can use 1.5mm hex. wrench to loose screw of gear cover.
b. Use the other 1.5mm hex. wrench to fix gear shaft.
c. Clockwise to tight slipper clutch, counterclockwise to loose it.

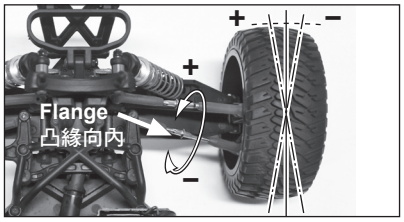
⚠ **tight the nut then loose 1/4 turn.**
*****Don't tight lock the nut, otherwise slipper clutch will not function and cause transmission easily be broken.*****

Jackal 於大主齒外側配備可調式限滑器，而限滑器 (Slipper clutch 也叫滑動離合器)，可以讓你調整從馬達傳遞到車輪的最大的扭力，以適應低抓地力的路面。可避免車子在瞬間起動或加速時，因動力過大而產生的打滑現象。

a. 你可以使用隨車所附的1.5mm 六角板手，鬆開左右兩個螺絲將齒輪蓋拆下。
b. 先使用一支1.5mm螺絲起子穿過驅動大齒輪軸使之無法旋轉。
c. 順時針方向為鎖緊限滑器，逆時針為鬆開限滑器。

⚠ **調整方式：螺帽旋入至最緊後，再鬆開約1/4圈。**
注意：螺帽勿鎖入至最緊。當螺帽鎖入過多，將使扭力限制器無法在適當時機作動，造成傳動系統損壞。

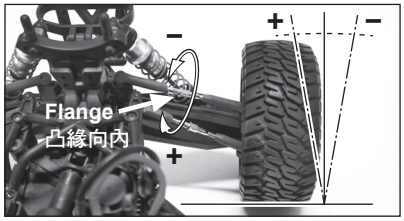
12 FRONT TOE-IN / TOE-OUT 前輪束角調整



a. Use 4.0mm wrench to adjust front toe-in.
b. Lengthening the Turnbuckles will increase the amount of toe-in, shortening them will increase the amount of toe-out.
c. The flange on the turnbuckle indicates the side that has the right-hand thread. Use it as a guide to determine which way to turn the turnbuckle when adjusting its length.

a. 使用4mm扳手調整前輪束角。
b. 增長螺距將會增加內束角角度；縮短螺距將會增加外束角角度。
請參照本說明調整您愛車前輪的傾角。

13 FRONT CAMBER 前輪傾斜角調整



a. Use 4.0mm wrench to adjust front camber.
b. Lengthening tumbuckles can decrease front camber, shortening them will increase front camber.

a. 使用4mm扳手調整前輪傾斜角（如圖示）。
b. 增長螺距將會減少傾斜角角度；縮短螺距將會增加傾斜角角度。
請參照本說明調整您愛車前輪的傾角。

14 ADJUSTING THE ESC 速控器調整

ESC SETUP

1. Turn on the transmitter (Tx) and receiver (Rx) in that order.
2. Do not move the throttle trigger. The ESC will set the neutral, full throttle and brake automatically. It will beep twice to confi rm it is set.

ESC ADJUSTMENTS

The ESC has 5 settings that can be adjusted to different values to suit the user.

1. Battery cut off
2. Running mode
3. Brake strength
4. Drag brake strength
5. Throttle sensitivity
6. Factory reset.

TO CHANGE ANY OF THE ESC SETTINGS

1. Turn on the TX.
2. Plug a battery into the ESC.
3. Press and hold the ESC set up button while turning on the ESC switch.
4. The ESC will beep indicating it is in adjustment mode. Release the setup button.
5. Push the setup button to choose the setting you would like to change. The ESC will fl ash blue and beep to show which of the settings has been selected. Push the button once for battery cut off the ESC will fl ash and beep once. Pushing the button again to select running mode, the ESC will fl ash and beep twice, and so on for each setting.

ONCE YOU HAVE SELECTED THE SETTING YOU WOULD LIKE TO CHANGE

1. Push and hold the set button. A long tone will sound to confi rm this setting can now be changed. Release the set button.
2. Using the ESC adjustment list as a guide, press the set up button to adjust any settings value. The red LED will fl ash and the ESC will beep to show what value has been selected. One red fl ash and beep is value one, two red fl ashes and beeps is value two etc.

WHEN DONE ADJUSTING A SETTING

1. Press and hold the set up button. A long tone will sound to confi rm the ESC has returned the setting selection mode. Release the button.
2. Repeat Step 5 to select the next setting or turn off the ESC if you have completed your adjustments.

SETTING (*factory setting)	1 TON / 1 FLASH	2 TON / 2 FLASH	3 TON / 3 FLASH	4 TON / 4 FLASH	5 TON / 5 FLASH
BATTERY CUT OFF	*LiPo 6.4V*	*NiMH/NiCd 65% of pack starting volt*	*Fixed 5V*		
RUNNING MODE	*Forward, brake and reverse*	*Forward, with brake, no reverse*			
BRAKE STRENGTH	*40%*	*60%*	*80%*	*100%*	
DRAG BRAKE STRENGTH	*OFF*	*5%*	*10%*	*20%*	*30%*
THROTTLE SENSITIVITY	*1 (least)*	*2*	*3*	*4 (most)*	
FACTORY RESET	*NO*	*YES*			

ESC設定

1. 依序打開遙控發射器(TX)以及遙控接收器(RX)的電源。
2. 請勿作動TX的油門板機。ESC會自動設定中立點、全油門以及剎車。設定完成後，會有嗶嗶兩聲。

ESC調整

因應使用者習慣，ESC有六種設定功能:

1. 電池低電壓斷電。
2. 行走模式。
3. 剎車力道。
4. 自動減速力道。
5. 油門靈敏度。
6. 出廠設定。

ESC設定模式

1. 打開TX的電源。
2. 將電池連接到ESC。
3. 在打開ESC電源之前，壓下並且不放開ESC設定按鈕。
4. ESC會發出嗶聲表示已進入ESC設定模式。此時請放開設定按鈕。
5. 按壓設定按鈕以選擇欲調整的功能。ESC會閃爍藍燈以及嗶聲顯示目前在哪種功能的設定模式中。按壓按鈕一次，ESC會閃藍燈一次並發出嗶聲一次表示已進入電池低電壓斷電設定模式。再按壓按鈕一次以進入行走設定模式，ESC會閃藍燈以及發出嗶聲兩次。依此類推。

選定欲調整功能的模式

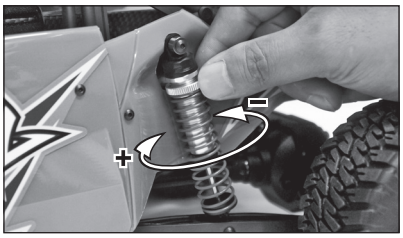
1. 長按設定按鈕，直到長嗶音出現，放開設定按鈕。
2. 請參閱功能調整表以設定各項功能。按壓設定按鈕來調整數值，紅燈閃爍一次加上嗶聲一次表示數值一。依此類推。

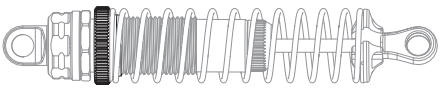
功能調整完畢之後

1. 長壓設定按鈕，直到長音出現表示已離開該功能設定模式，此時放開按鈕。
2. 重複ESC設定模式的步驟5來設定欲調整的下一個功能，若已完成所有設定，請關閉ESC電源。

位置 (*出廠設定)	1 聲 / 1 閃光	2 聲 / 2 閃光	3 聲 / 3 閃光	4 聲 / 4 閃光	5 聲 / 5 閃光
電池低電壓斷電	*LiPo 6.4V*	鎳氫/鎳鎘 65%的電壓斷電	固定 5V		
行走模式	前進，剎車後退	前進，剎車無後退			
剎車力道	40%	60%	80%	100%	
自動減速力道	OFF	5%	10%	20%	30%
油門靈敏度	1(低)	2	3	4(高)	
回出廠設定	NO	YES			

15 SHOCK ADJUSTMENT 避震器懸吊調整





Soft Suspension
懸吊較軟

Hard Suspension
懸吊較硬

a. To adjust chassis height, please use adjust ring from shock.
To lower adjust can increase chassis height, otherwise can lower chassis height.

a. 車身高度可利用避震器調整環改變。降低調整環可增加車高；反之則降低車高。

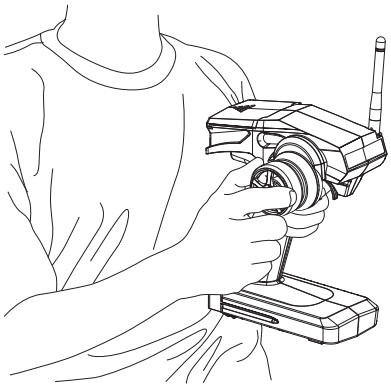
16 MAINTENANCE AFTER RUNNING 車體保養

a. Always turn off the radio system and disconnect the battery pack when the car is not in use.
b. Remove sand, mud, dirt, and any other elements before storing the car.
c. Never use chemicals or any solvents to clean the chassis as it may cause damage to the electronics components and plastic parts. Use compressed air, soft paintbrush, or toothbrush to clean dust and dirt.

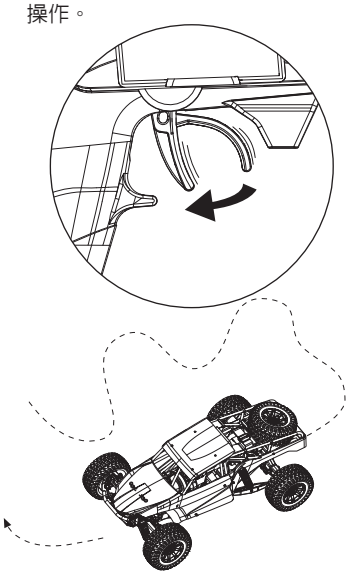
a. 結束操控儲存車體前，請謹記要關閉電源，並將電池接頭拔除，以免電池短路造成不必要之危險。
b. 清潔車體上所沾附之沙塵、泥屑。
c. 請勿使用化學清潔劑來清洗底板，以免遙控之電子設備受潮、電線、焊點及膠件被侵蝕而導致不必要之損壞。清潔車體時，請儘量使用強力之壓縮空氣，搭配軟毛刷來請清理車體上所沾附之沙塵、泥屑。

17 DRIVING TIPS 操控的小技巧

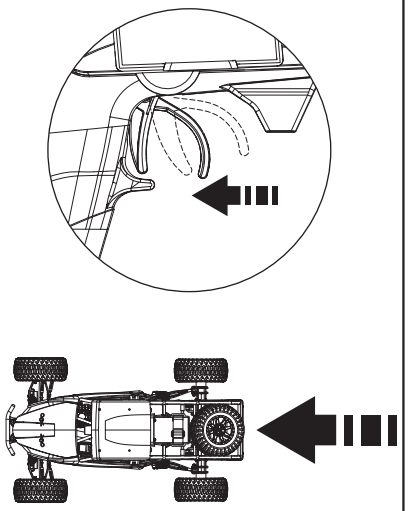
a. Hold your elbows in and keep the transmitter antenna pointing straight up.
a. 手持發射機時請將雙肘靠緊身體並保持發射機天線朝上。



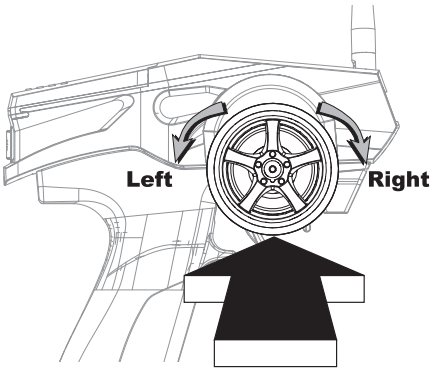
b. Squeeze the throttle trigger or pull the throttle stick gently and steer the car to left and right.
b. 開始操控前按扣油門板機(油門拉)時請緩慢增加油門並試著熟悉前輪轉向操作。



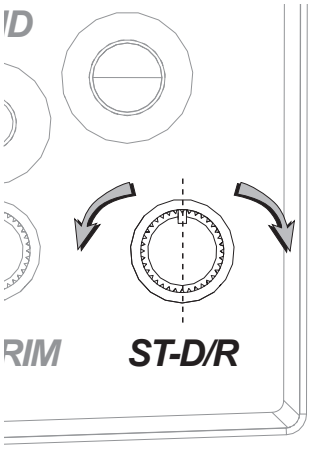
c. Squeeze the throttle trigger and release. Repeat this action to control car speed.
c. 學者請先熟悉油門操控再慢慢加快車子行進速度。



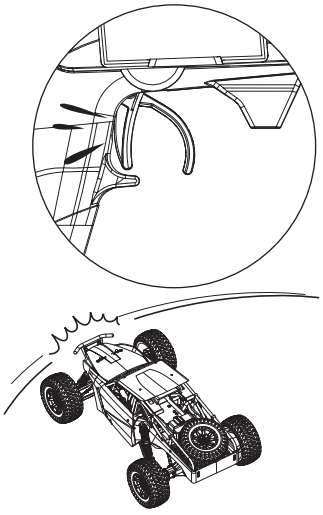
d. If you are of unsure of the steering direction, practice with the transmitter facing towards you.
d. 假設你不確定發射機的轉向，將發射機轉輪面向自己，先熟悉左右轉向。



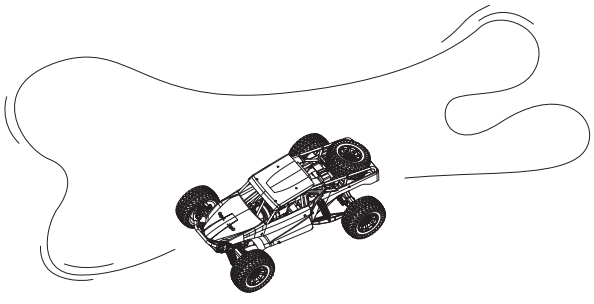
e. At first, set the steering D/R function for less steering response.
e. 初學者可參考發射機說明書調整D/R功能，以避免轉向太過靈活不易操控。



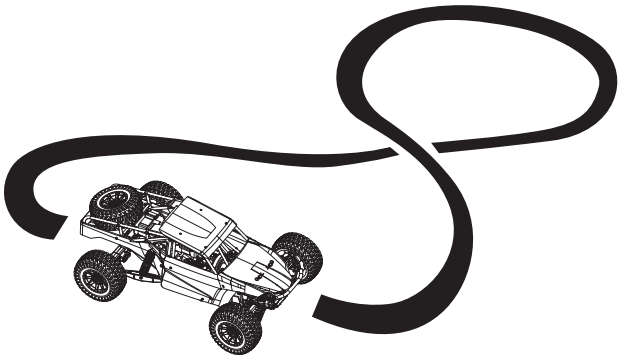
f. Be careful not to squeeze the throttle trigger abruptly while steering.
f. 轉向時請勿將油門全開以避免速度過快導致失控翻覆。



g. After you become used to the controls, experiment with high performance possible at full throttle and full steering.
g. 熟悉前述基本操控後再試著將油門全開進行高速操控。



h. Practice doing figure 8S.
h. 建議可以使用繞8字來熟悉發射機操控動作。



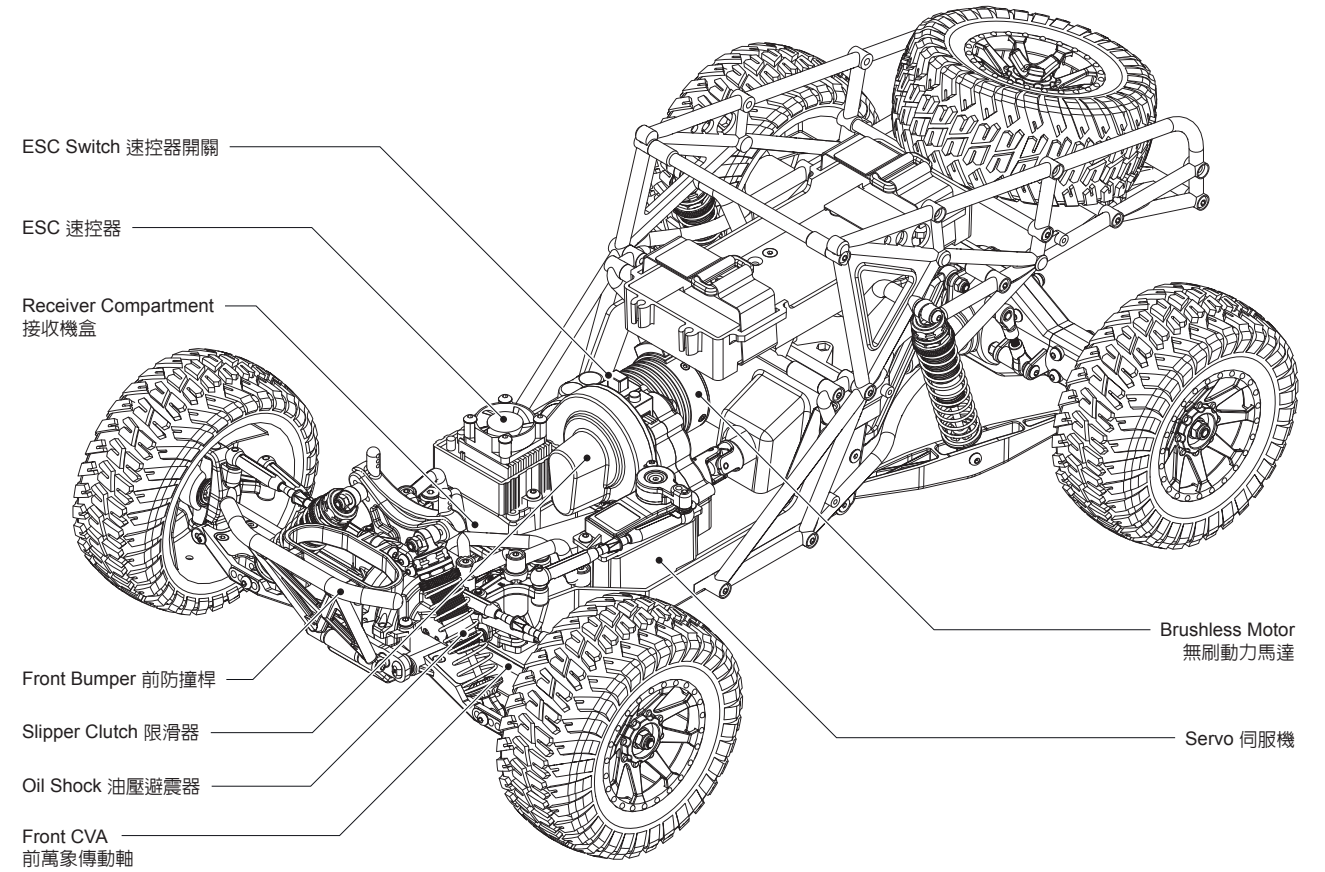
TROUBLESHOOTING 常見問題與解決方法

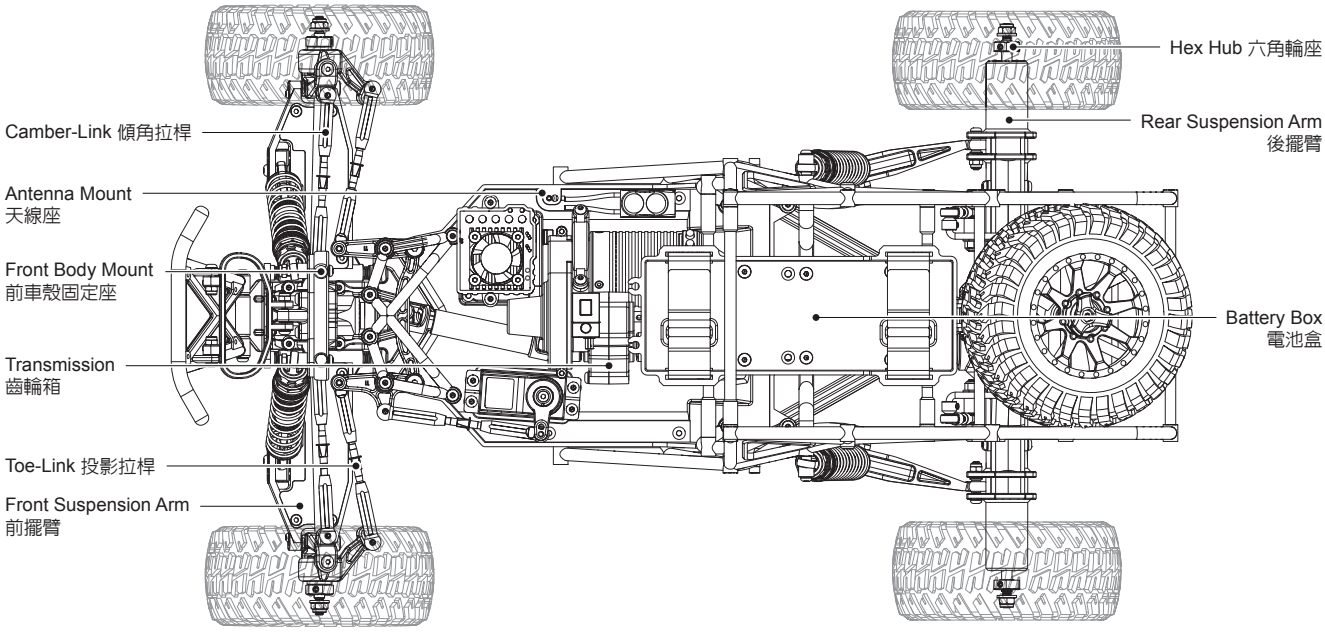
If you have trouble starting or keeping your Jackal running, here's a quick checklist of what to look for first.

如果您的 Jackal 有行駛上的問題，您可以參考下的說明。
如果問題無法解決，請與購買經銷商聯絡。

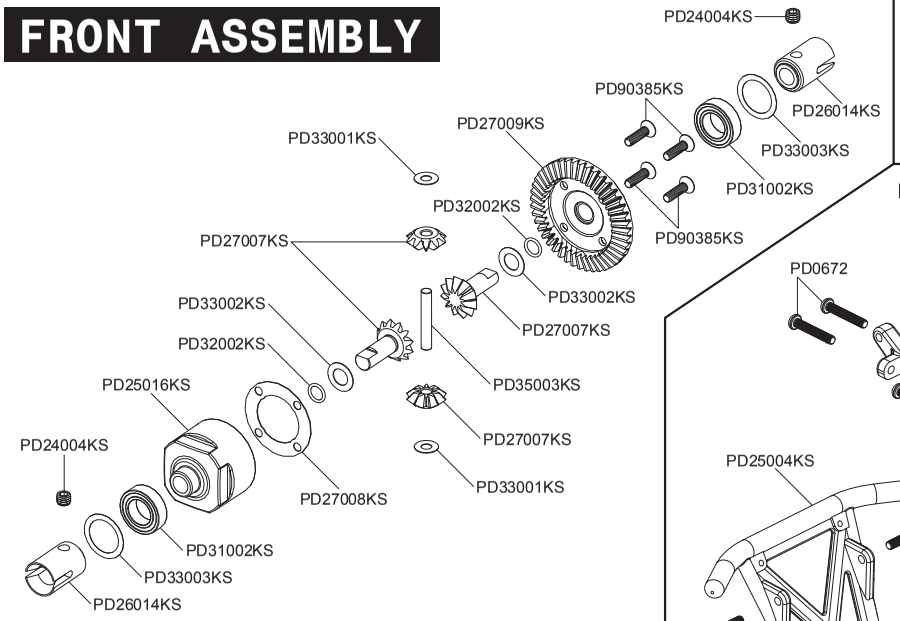
Description 問題	Problem 可能原因	Solution 解決方法
Car dies or slows 車不動或速度變慢	Speed control over heats 速控器過熱	Let it cool and try later 先冷卻，稍後再試
Car is glitching 車故障	Car has a problem on power 車子的動力有問題	Check for loose wires, dead radio batteries. 檢查電線是否脫落或遺失
Motor overheats 馬達過熱	Gear mesh is too tight 馬達驅動齒輪太緊	Let motor cool and check recommended gearing for motor type. Reset gear mesh 先讓馬達冷卻，再重新調整合適的齒隙
No power 失去電力	Battery is discharged 電池沒充電	Charge battery 將電池充電
	Battery not plugged in 電池沒接好	Plug battery in 將電池接頭確實連接遙控車
No throttle 失去動力	Motor not plugged in 馬達連接線沒接好	Plug motor in 確實接上紅、黃、黑端之馬達電源傳輸線（紅對紅、黃對黃、黑對黑）
	Motor failure 馬達損壞	Replace motor 置換新馬達
	Motor keeps running 未扣引發射機油門，馬達卻持續轉動	Check if the throttle trim is in neutral position. 檢查是否油門微調不在中立點的位置
No steering 失去控制	Servo not plugged in 轉向伺服機未安裝好	Plug servo into ESC unit 將連接電線接上速控器
	Locked up steering linkage 轉向裝置卡死	Free up steering linkage 排除可能的干涉（卡）的零件部
	Servo failure 伺服機失靈	Replace servo 置換新伺服機
Reversing 後退功能	Goes backwards when you pull the trigger or goes right when turning the wheel left 當扣引　放開發射機油門板機，車子卻後退　前進或是發射機方向轉輪之轉向跟車子轉向左右相反	Check throttle / steering reversing switches on transmitter 檢查發射機上之油門　轉向的反轉開關是否反轉？

Product Overview 產品概要



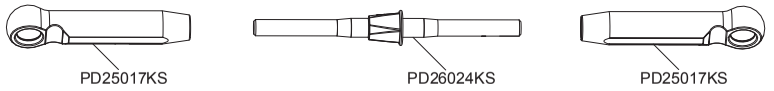


FRONT ASSEMBLY

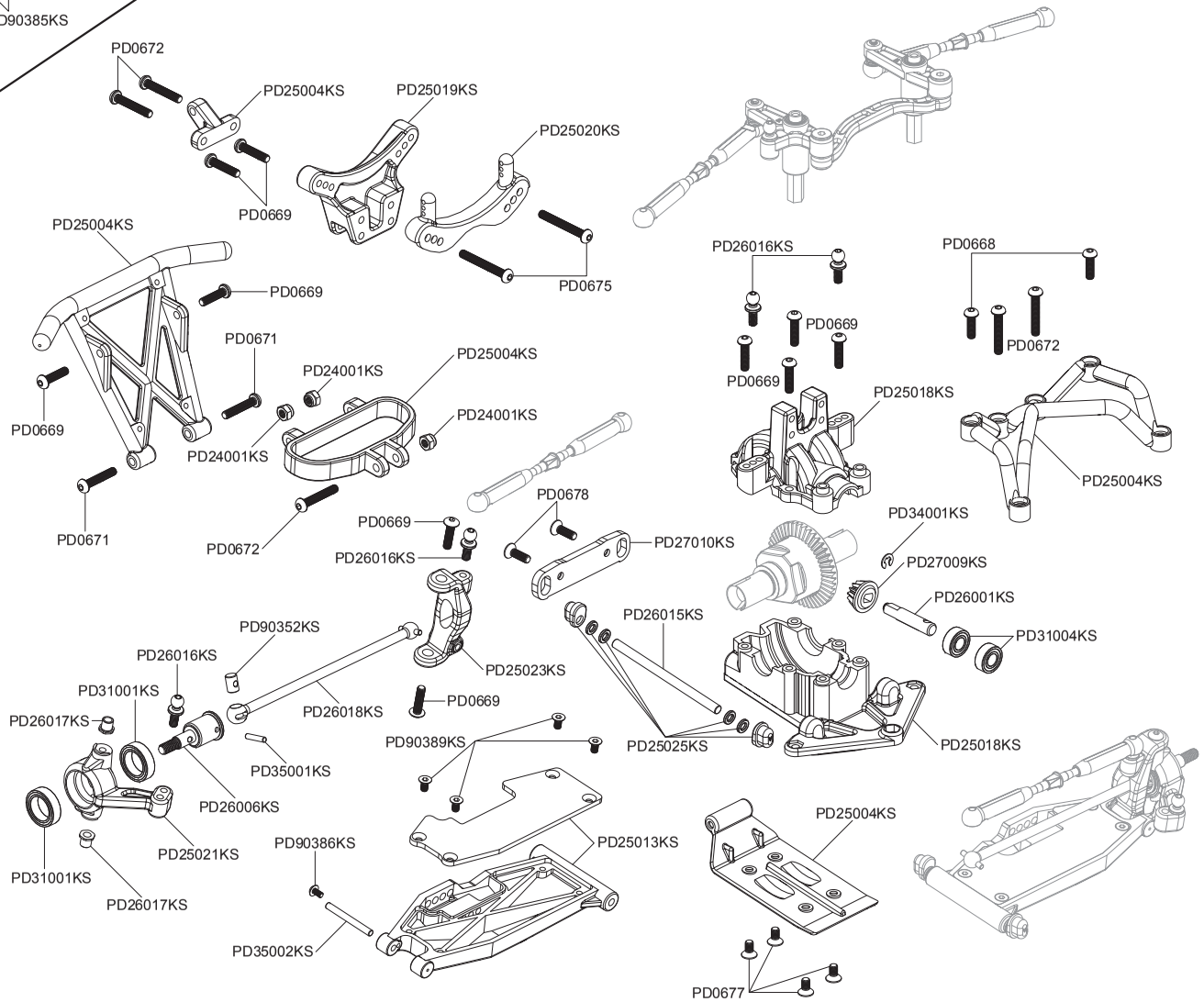


Front Differential Assembly

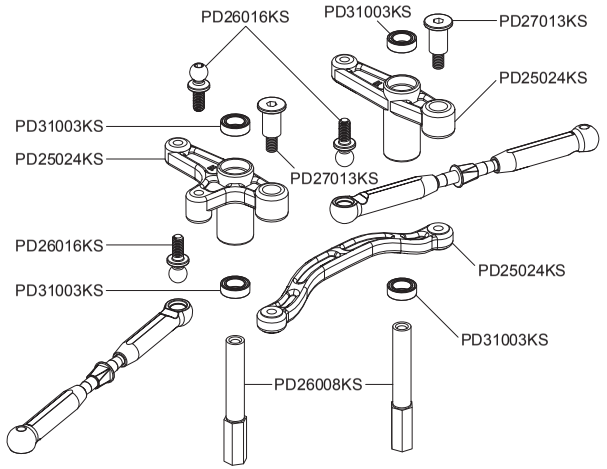
Front Turnbuckle Assembly



Front Suspension Assembly

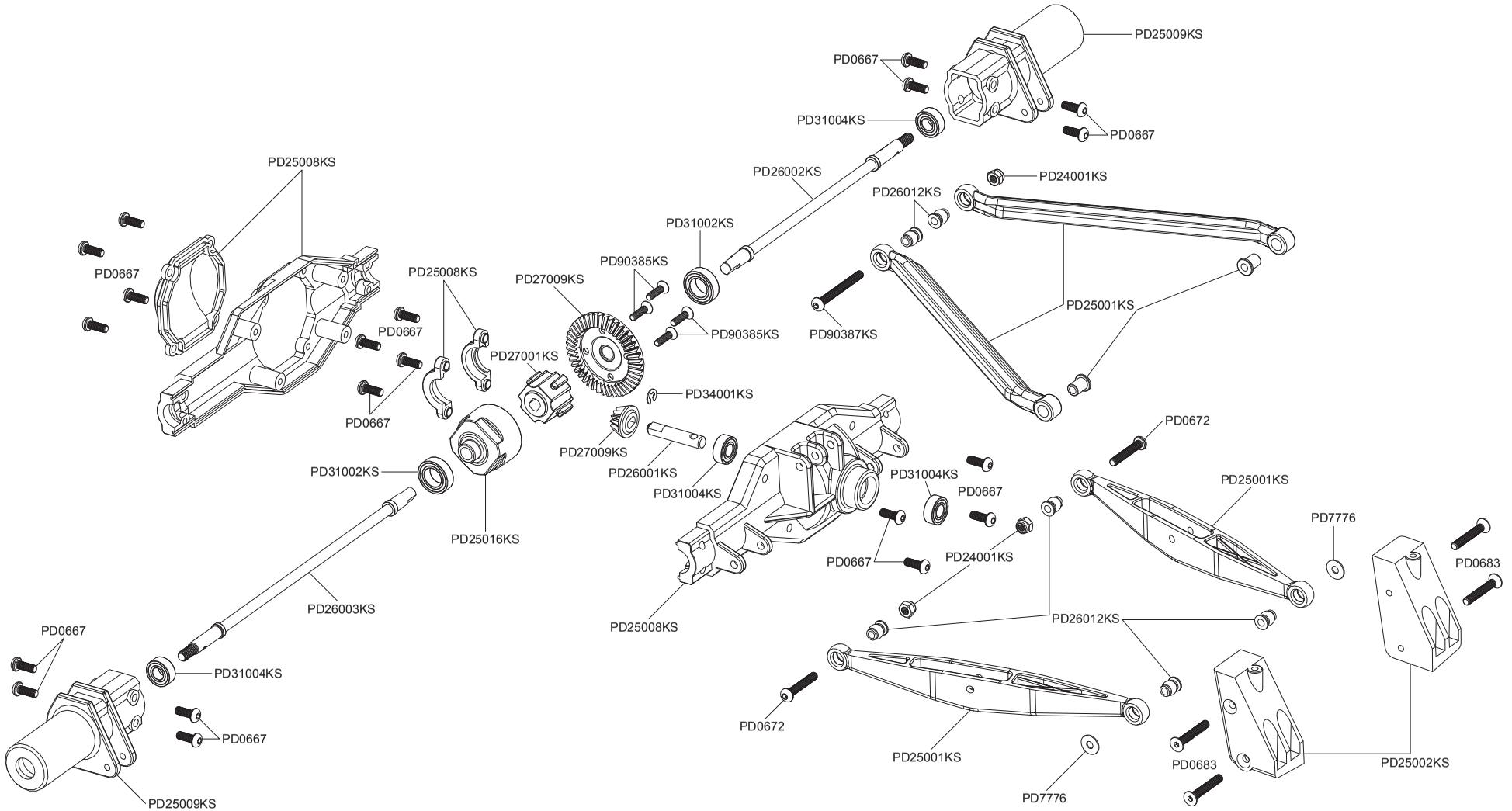


Bollcrank Assembly



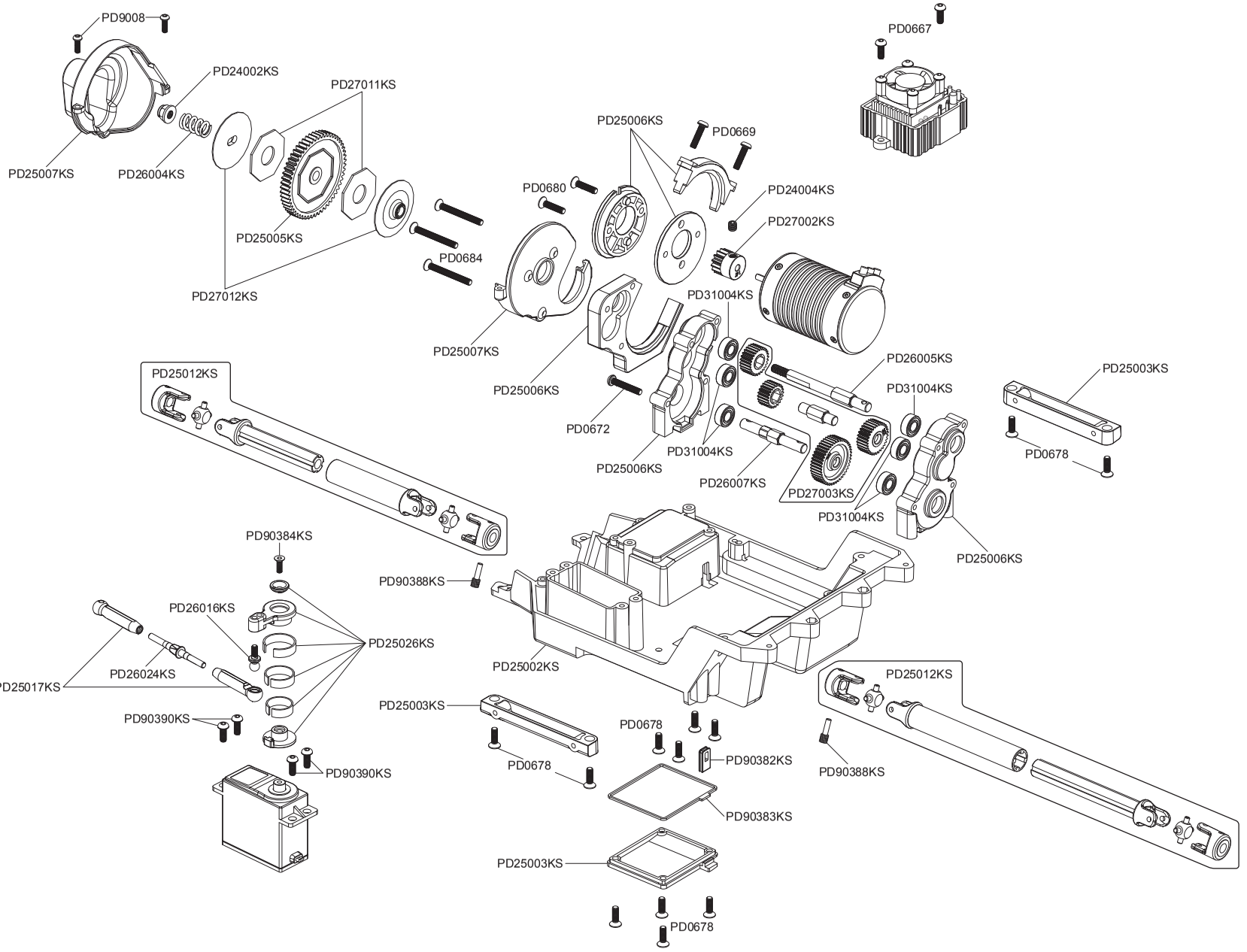
Specifications on this page are subject to change without notice. In no event will Thunder Tiger be held responsible for typographical or other errors.

REAR ASSEMBLY



Specifications on this page are subject to change without notice. In no event will Thunder Tiger be held responsible for typographical or other errors.

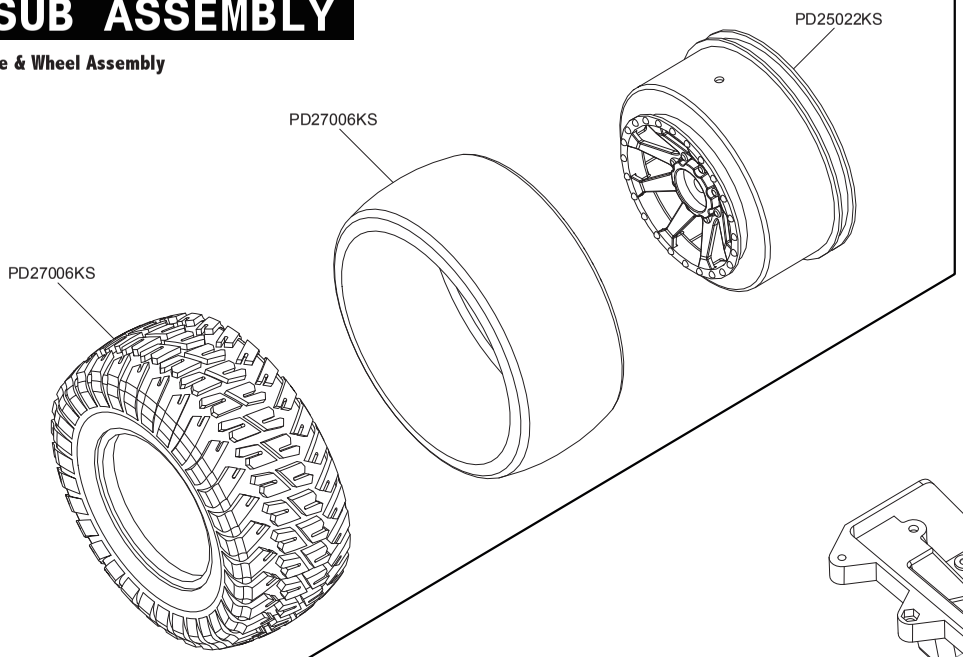
CHASSIS ASSEMBLY



Specifications on this page are subject to change without notice. In no event will Thunder Tiger be held responsible for typographical or other errors.

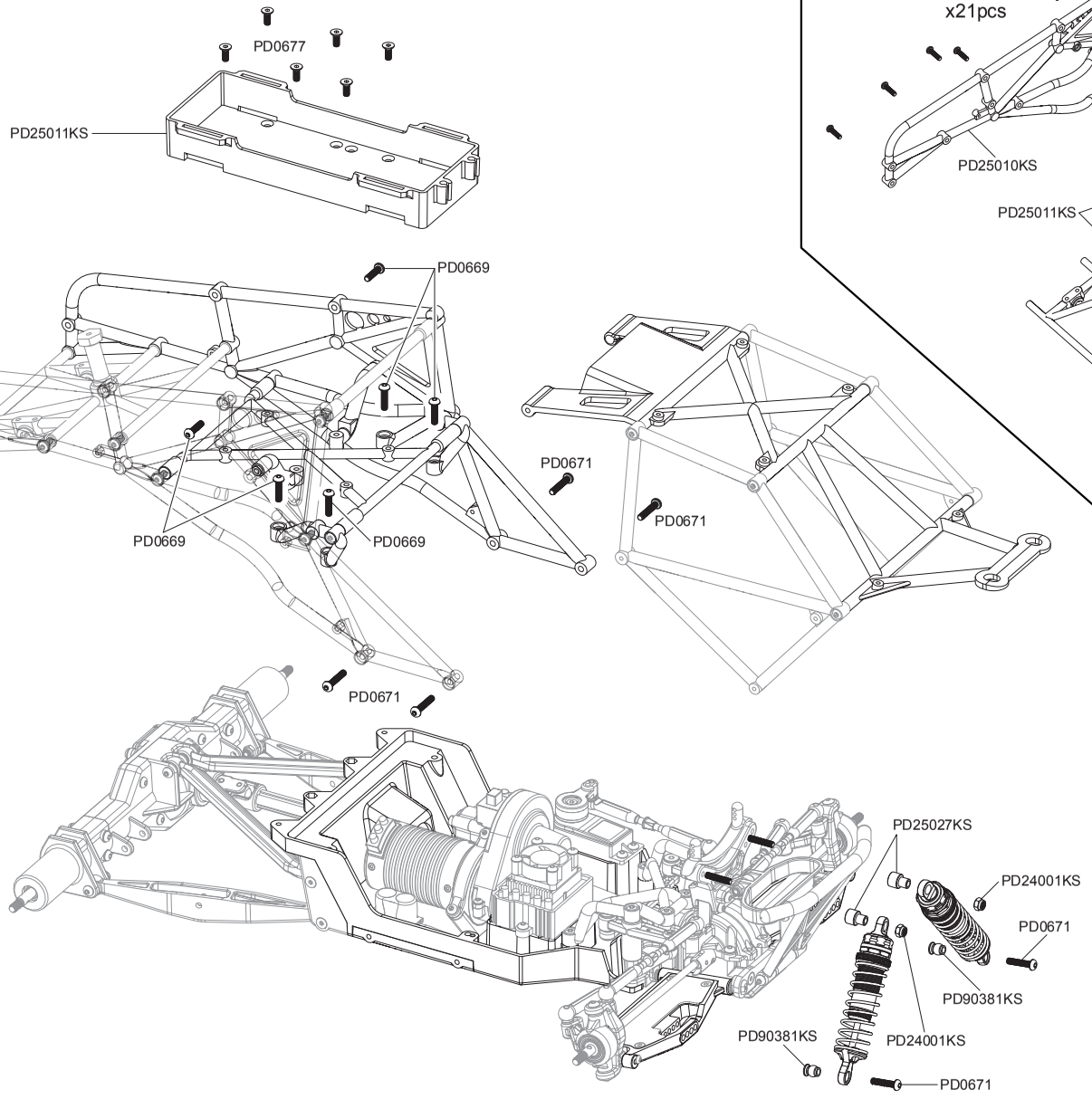
SUB ASSEMBLY

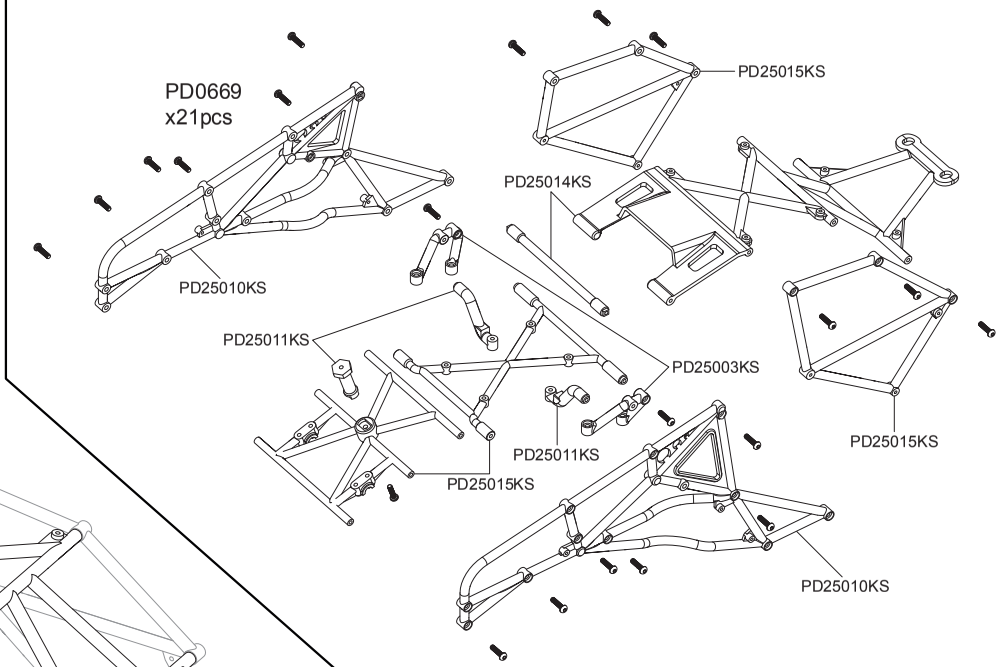
Tire & Wheel Assembly



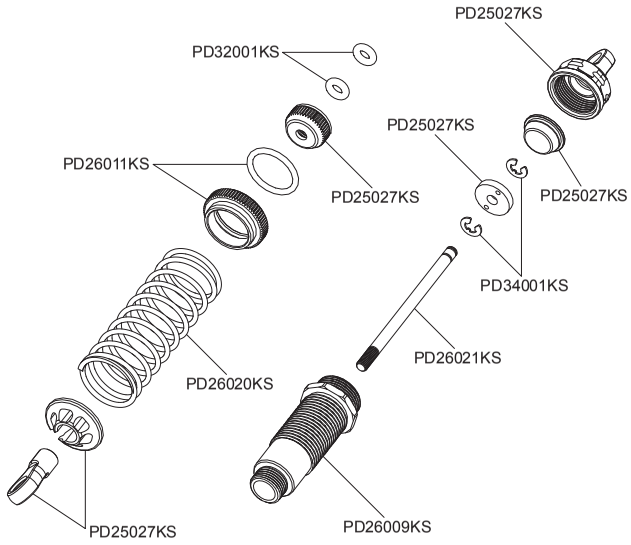
Specifications on this page are subject to change without notice. In no event will Thunder Tiger be held responsible for typographical or other errors.

ROLL CAGE ASSEMBLY



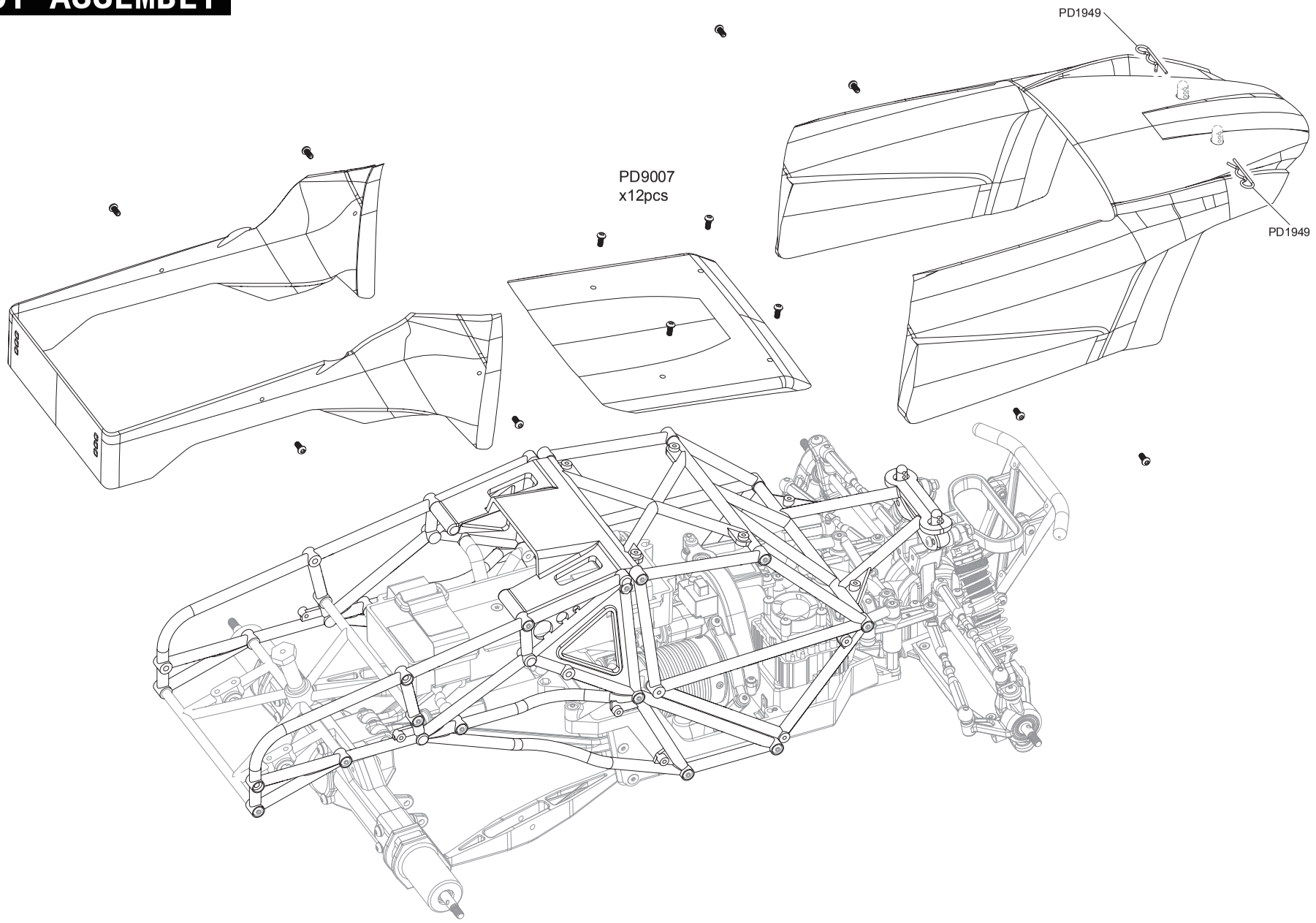


Front Damper Assembly



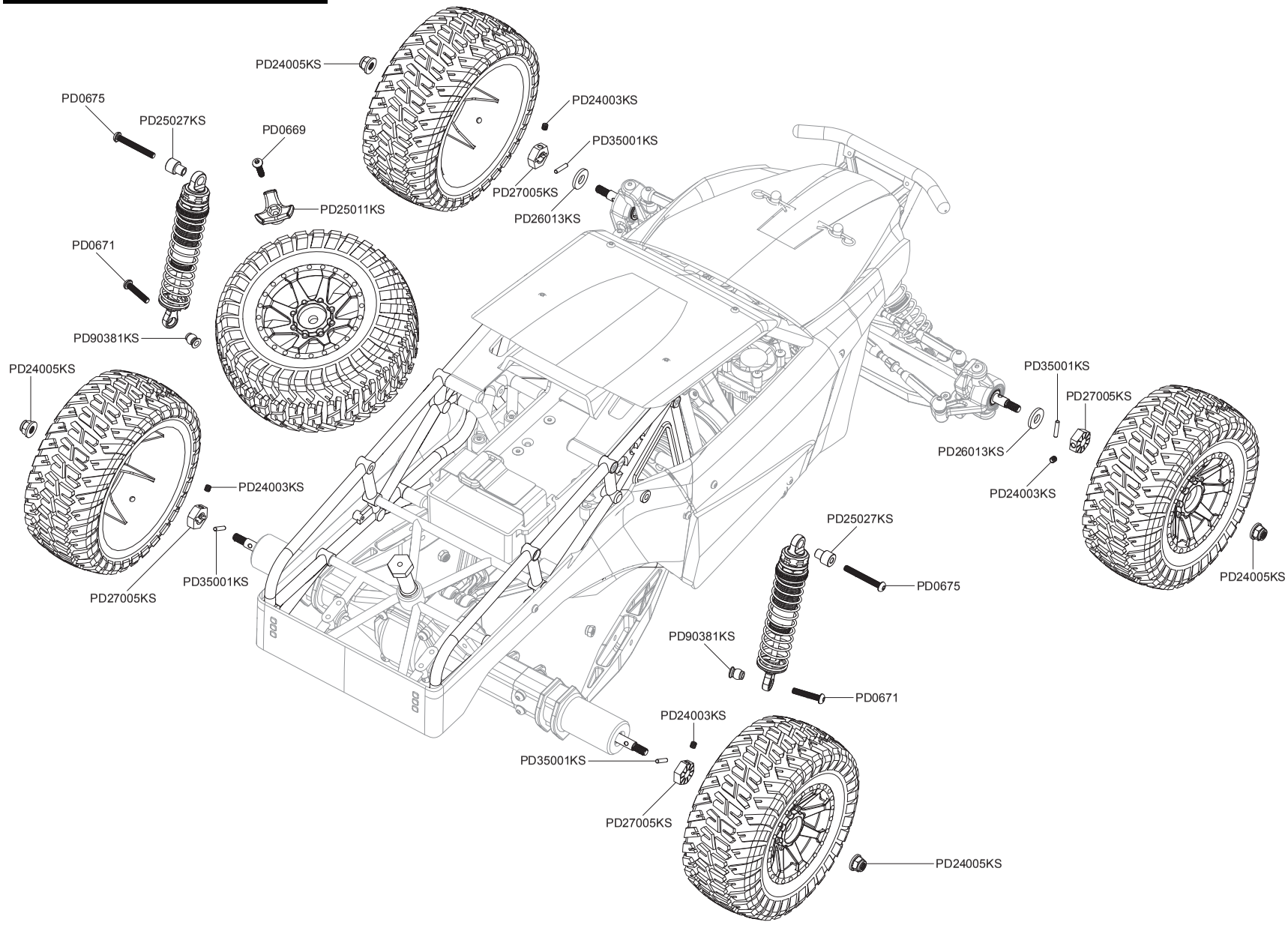
Specifications on this page are subject to change without notice. In no event will Thunder Tiger be held responsible for typographical or other errors.

BODY ASSEMBLY

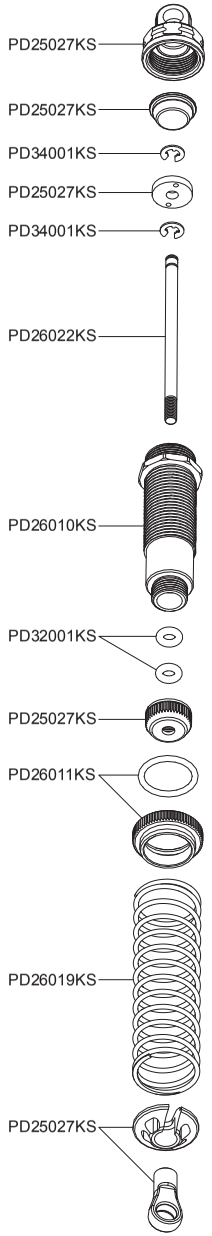


Specifications on this page are subject to change without notice. In no event will Thunder Tiger be held responsible for typographical or other errors.

FINAL ASSEMBLY

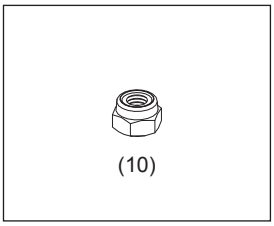


Rear Damper Assembly

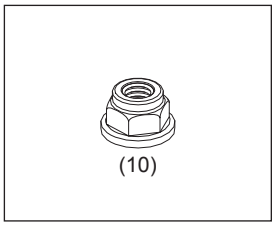


Specifications on this page are subject to change without notice. In no event will Thunder Tiger be held responsible for typographical or other errors.

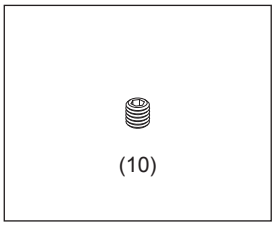
JACKAL SPARE PARTS LIST 零件表



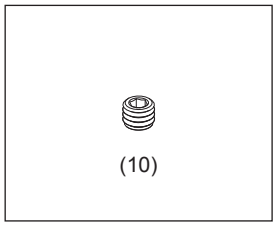
PD24001KS
LOCK NUT, 3MM
尼龍螺帽厚 M3



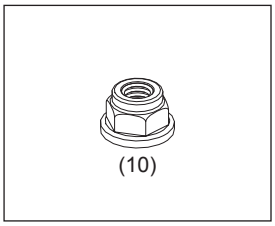
PD24002KS
LOCKNUT W/FLANGE, M4
M4凸緣尼帽



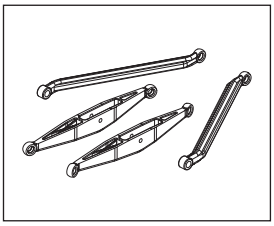
PD24003KS
SET SCREW, M3x3
M3X3止付



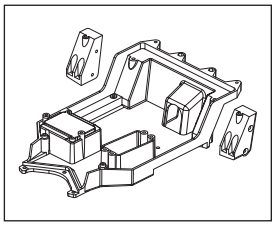
PD24004KS
SET SCREW, M4x3
M4x4止付



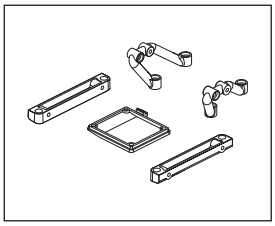
PD24005KS
KNURLED NUT W/FLANGE, M4
M4凸緣螺帽(咬花)



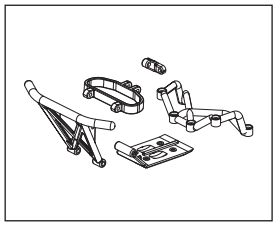
PD25001KS
REAR LINKAGE
連桿組



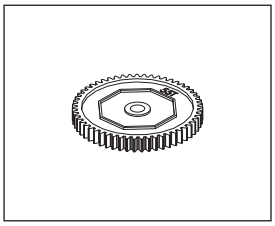
PD25002KS
MAIN CHASSIS
底盤組



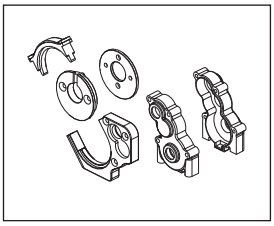
PD25003KS
ROLL CAGE MOUNT
防滾架組(前&後)



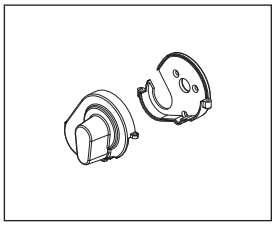
PD25004KS
BUMPER
防撞板組



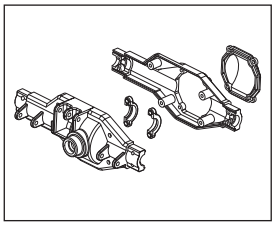
PD25005KS
55T SPUR GEAR
主齒



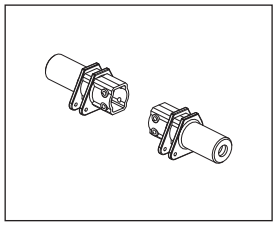
PD25006KS
CTR. GEARBOX/MOTOR MOUN
齒輪箱組



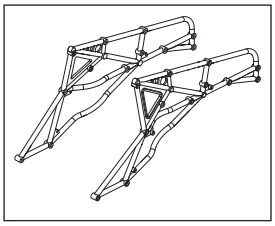
PD25007KS
GEARBOX COVER
防塵蓋組



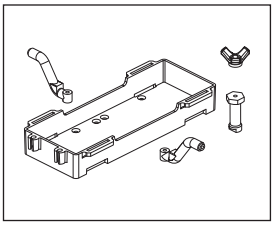
PD25008KS
REAR GEARBOX
後直軸箱組



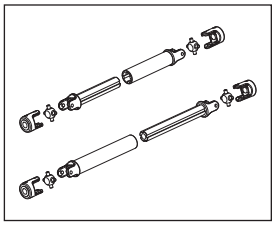
PD25009KS
REAR AXLE SHAFT TUBE
後直軸套組



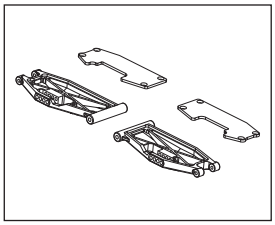
PD25010KS
REAR ROLL CAGE
防滾架左&右



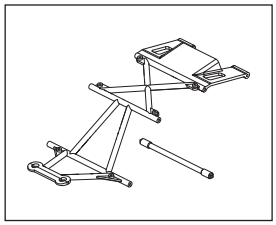
PD25011KS
BATTERY BOX
電池盒組



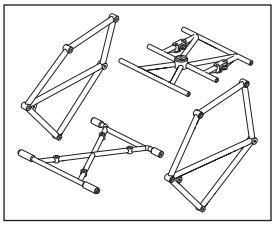
PD25012KS
UNIVERSAL AXLE
前後傳動軸組



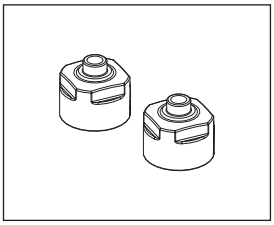
PD25013KS
FRONT ARMS
前擺臂組



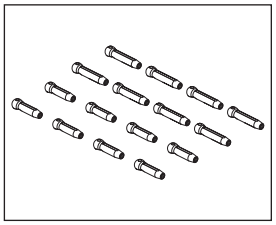
PD25014KS
ROLL CAGE ROOF
防滾架組(上)



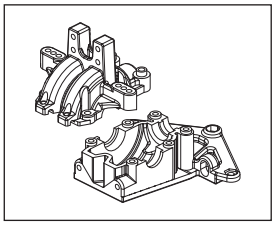
PD25015KS
L/R ROLL CAGE
防滾架組(左&右)



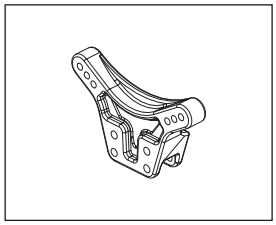
PD25016KS
DIFFERENTIAL CASE
差速器本體



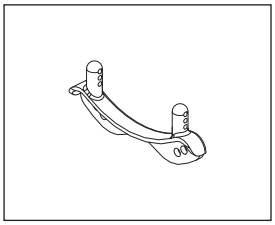
PD25017KS
BALL CUP SET
球頭拉桿組



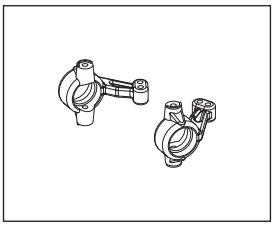
PD25018KS
FRONT GEARBOX
前差速箱組



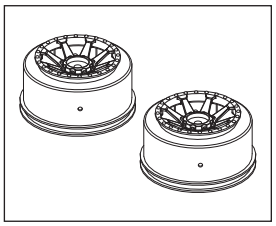
PD25019KS
FRONT SHOCK TOWER
前避震器支架



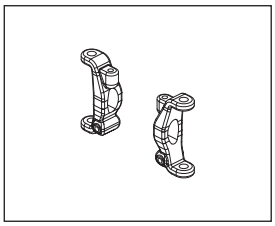
PD25020KS
FRONT BODY POST
前車殼支架



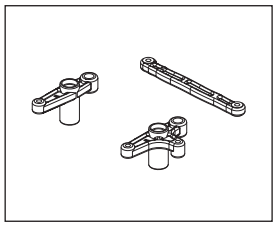
PD25021KS
STEERING BLOCK SET
轉向臂



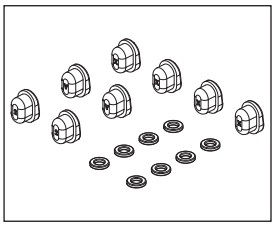
PD25022KS
WHEEL
輪骨



PD25023KS
CASTER BLOCK SET
C型座

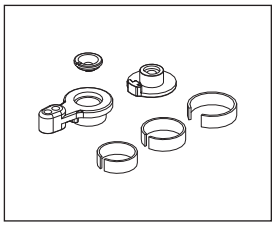


PD25024KS
STEERING SET
轉向組

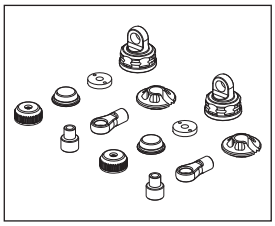


PD25025KS
F SUSP ARM MNT BUSHING
擺臂軸套組

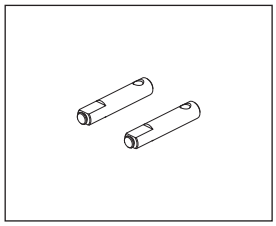
JACKAL SPARE PARTS LIST 零件表



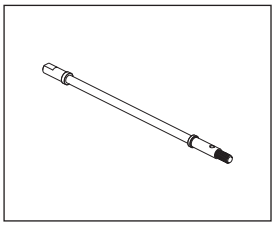
PD25026KS
STEERING SERVO HORN
轉向伺服機組



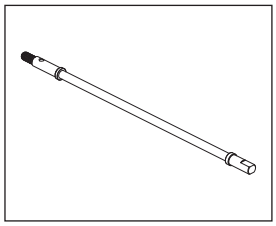
PD25027KS
SHOCK PARTS
避震器組



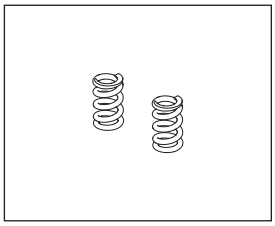
PD26001KS
GEAR SHAFT
輸入齒軸 4.97x25.15mm



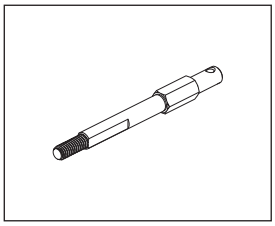
PD26002KS
REAR AXLE, S
後輪軸(S)4.0x123.5mm



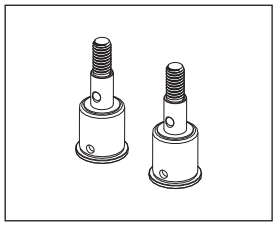
PD26003KS
REAR AXLE, L
後輪軸(L)4.0x153.5mm



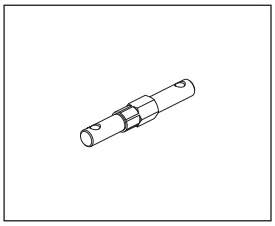
PD26004KS
SLIPPER SPRING
限滑彈簧



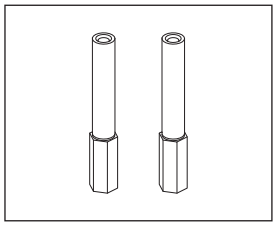
PD26005KS
INPUT SHAFT
輸入軸心



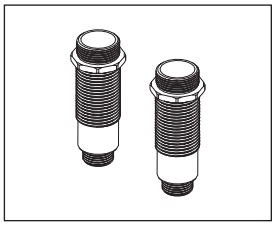
PD26006KS
FRONT AXLE
CVD前輪軸9.98x27.8mm



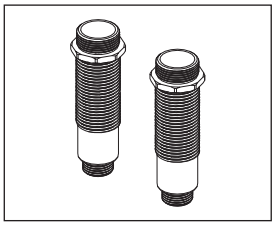
PD26007KS
OUTPUT SHAFT
輸出軸心5.98x40mm



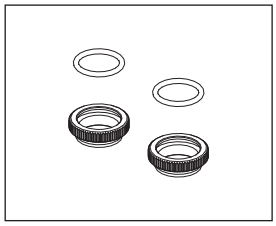
PD26008KS
STEERING POST
轉向支架軸4.98x37.5mm



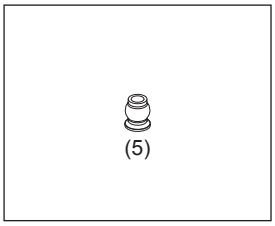
PD26009KS
FRONT SHOCK BODY
避震器筒身10.2x40.4mm



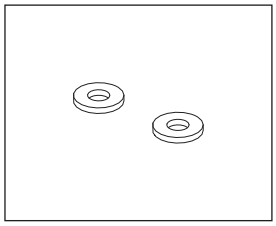
PD26010KS
REAT SHOCK BODY
避震器筒身10.2x47.2mm



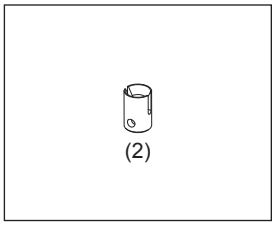
PD26011KS
SHOCK COLLAR
避震器調整環組



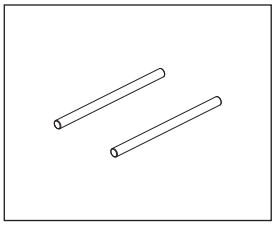
PD26012KS
PIVOT BALL
5.8凸緣球珠



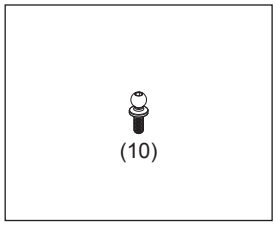
PD26013KS
WASHER, 5x12x1.5
墊圈5.2x12x1.5mm



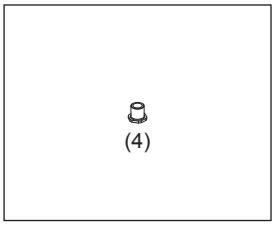
PD26014KS
OUTDRIVE CUP
差速接杯組



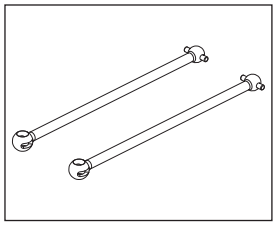
PD26015KS
HINGE PIN, 3.5x56
擺臂銷



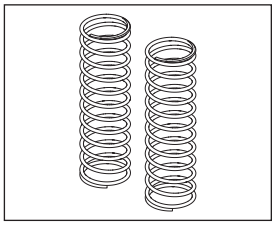
PD26016KS
BALL STUD, Long
拉桿球珠5mm



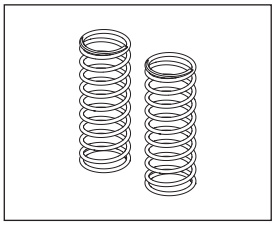
PD26017KS
STEERING BLOCK BUSHING
轉向軸套



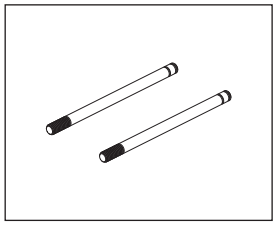
PD26018KS
DOGBONE, 92mm
連結式傳動軸



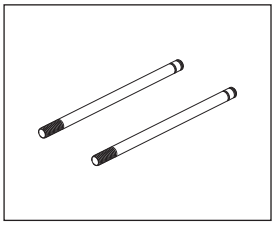
PD26019KS
REAR SHOCK SPRING
後避震器彈簧1.2x14x72mm



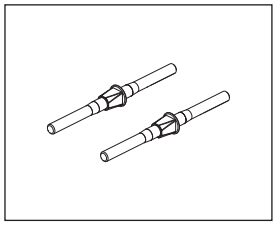
PD26020KS
FRONT SHOCK SPRING
前避震器彈簧1.3x14x52mm



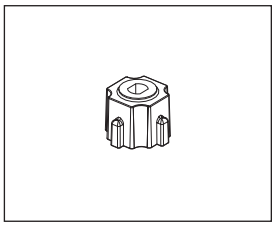
PD26021KS
FRONT SHOCK SHAFT
前避震器軸心3x48.8mm



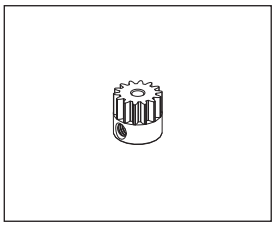
PD26022KS
REAR SHOCK SHAFT
後避震器軸心3x53.9mm



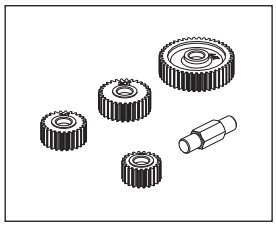
PD26024KS
FRONT TURNBUCKLE, M3x48
正反牙拉桿M3x48mm



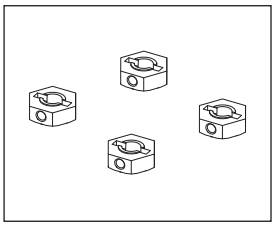
PD27001KS
HEAVY DUTY LOCKER
直軸座



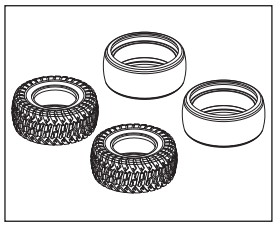
PD27002KS
15T PINION GEAR
馬達齒15T



PD27003KS
GEAR SET
齒輪組

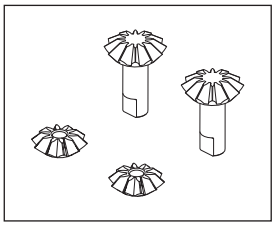


PD27005KS
WHEEL HEX DRIVES
六角輪座12x4.8mm

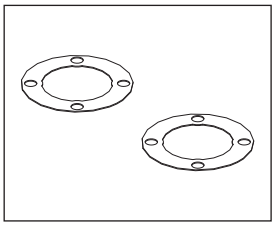


PD27006KS
TIRES WITH INSERTS
輪胎+內襯

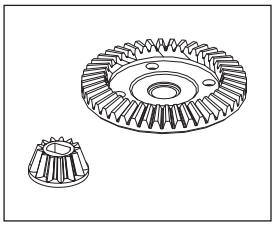
JACKAL SPARE PARTS LIST 零件表



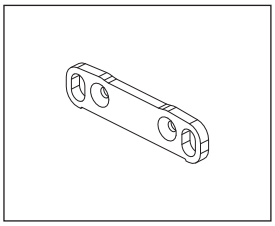
PD27007KS
DIFF GEAR
差速傘齒組



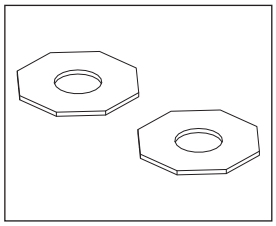
PD27008KS
DIFF GASKET
差速箱紙迫緊板



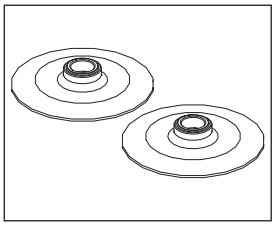
PD27009KS
DIFF SPUR/PINION GEAR
差速大小傘齒



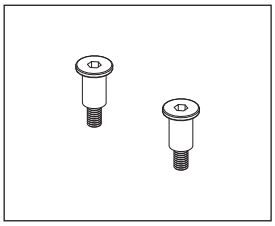
PD27010KS
FRONT ARM MOUNT
投影板



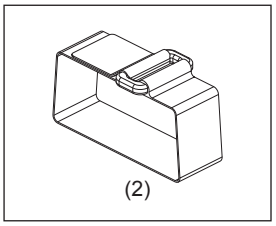
PD27011KS
SLIPPER PAD
限滑來令片



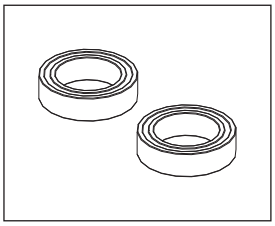
PD27012KS
SLIPPER HUB
限滑夾片



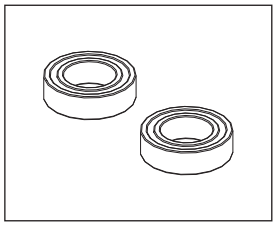
PD27013KS
STEERING POST SCREW
轉向座固定螺絲



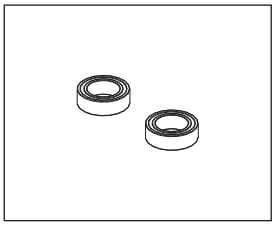
PD30001KS
BATTERY STRAPS
勾毛同體固定帶2x22.5cm



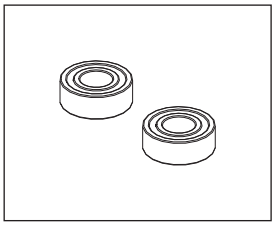
PD31001KS
BALL BEARING, 10x15x4
10X15X4滾珠軸承



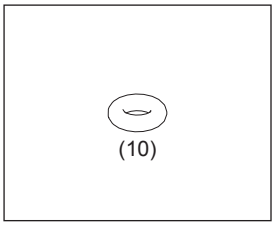
PD31002KS
BALL BEARING, 8x14x4
8X14X4滾珠軸承



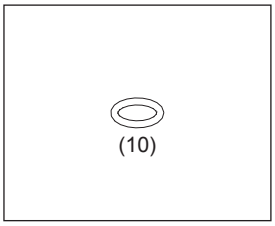
PD31003KS
BALL BEARING, 5x8x2.5
5X8X2.5滾珠軸承



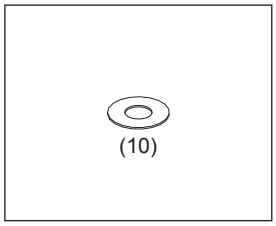
PD31004KS
BALL BEARING, 5x11x4
5X11X4滾珠軸承



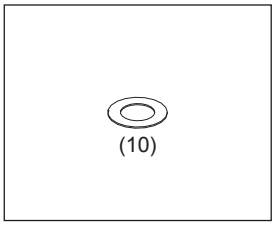
PD32001KS
O-RING, 2.8x1.9
P3-O型環2.8x1.9



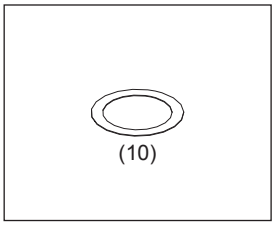
PD32002KS
O-RING, 4.4x0.8
O型環4.4x0.8mm



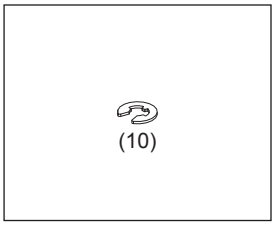
PD33001KS
WASHER, 3mm
華司3.1x7x0.2mm



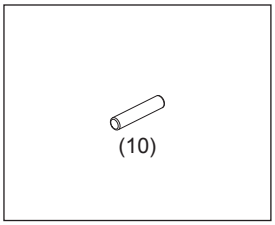
PD33002KS
WASHER, 5mm
華司5.2x9x0.2mm



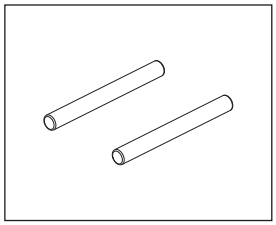
PD33003KS
GEARBOX SPACER
華司 8*10*0.1mm



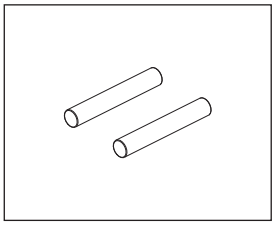
PD34001KS
E-CLIP, 2.5mm
E扣2.5



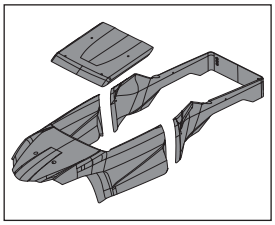
PD35001KS
PIN, 2x10
PIN 2x10mm



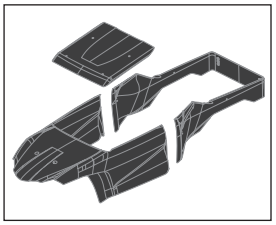
PD35002KS
PIN, 2.5x25.8
2.5x25.8銷



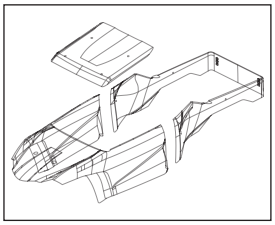
PD35003KS
PIN, 3x19
3x19銷



PD35004KS
JACKAL BODY, GRAY
完成組 雷虎 Jackal胡狼車殼(灰)



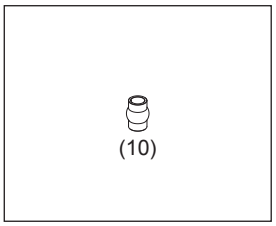
PD35005KS
JACKAL BODY, BLACK
完成組 雷虎 Jackal胡狼車殼(黑)



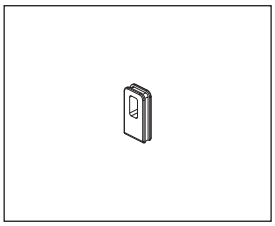
PD35006KS
JACKAL CLEAR BODY
(透明)零件包雷虎Jackal胡狼車殼



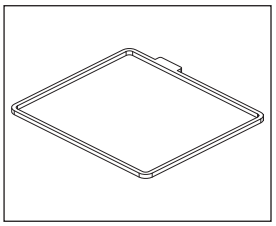
PD35007KS
JACKAL DECAL SHEET
Jackal車殼貼紙



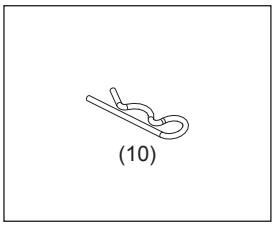
PD90381KS
PIVOT BALL
球珠



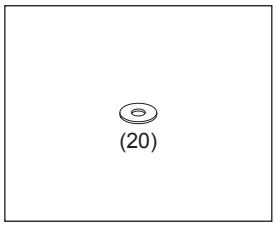
PD90382KS
WATERPROOF GASKET
防水密封墊



PD90383KS
WATERPROOF STRIP
防水膠條



PD1949
R CLIPS, SHORT
R銷 6mm(銀)



PD7776
WASHER, M3x10
華司W3x8x0.5

JACKAL SPARE PARTS LIST 零件表



PD90386KS M2x40 (10)

B. HEAD SCREW
圓頭螺絲（銀）



PD90388KS
M4x2x13mm (4)

DRIVE CUP SET SCREW
段付螺絲



PD90389KS M2.6x6 (10)
PD90384KS M2.6x8 (10)
PD90385KS M2.6x10 (10)
PD0677 M3x8 (20)
PD0678 M3x10 (20)
PD0679 M3x12 (20)
PD0680 M3x14 (20)
PD0683 M3x20 (20)
PD0684 M3x25 (20)

FHCS SCREW
平頭內六角螺絲



PD9007 M2.5x6 (20)
PD9008 M2.5x8 (20)
PD0667 M3x8 (20)
PD0668 M3x10 (20)
PD0669 M3x12 (20)
PD0671 M3x16 (20)
PD0672 M3x18 (20)
PD0675 M3x25 (20)
PD90387KS M3x28 (10)

BHCS SCREW
半圓頭內六角螺絲



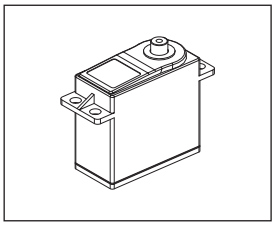
PD90390KS
M3x10mm (10)

BHPS TAP SCREW
墊圈自攻螺絲

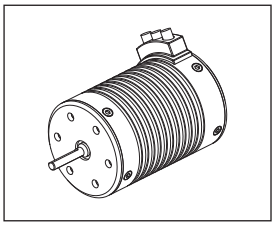


PD90352KS (2)

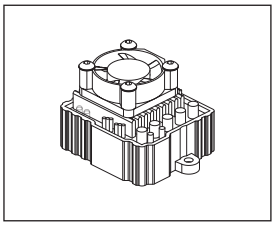
CVA COUPLERS
傳動軸止銷



PD90399KS
STD SERVO, 7KG
伺服機



PD90400KS
BRUSHLESS MOTOR, 3600KV
無刷馬達3600KV



PD90401KS
BRUSHLESS ESC, 80A
無刷馬達速控器,80A

JACKAL SPARE PARTS LIST 零件表

PART#	DESCRIPTION	中文名稱
PD24001KS	LOCK NUT, 3MM	尼龍螺帽厚 M3
PD24002KS	LOCKNUT W/FLANGE, M4	M4凸緣尼帽
PD24003KS	SET SCREW, M3x3	M3X3止付
PD24004KS	SET SCREW, M4x3	M4x4止付
PD24005KS	KNURLED NUT W/FLANGE, M4	M4凸緣螺帽(咬花)
PD25001KS	REAR LINKAGE	連桿組
PD25002KS	MAIN CHASSIS	底盤組
PD25003KS	ROLL CAGE MOUNT	防滾架組(前&後)
PD25004KS	BUMPER	防撞板組
PD25005KS	55T SPUR GEAR	主齒
PD25006KS	CTR. GEARBOX/MOTOR MOUNT	齒輪箱組
PD25007KS	GEARBOX COVER	防塵蓋組
PD25008KS	REAR GEARBOX	後直軸箱組
PD25009KS	REAR AXLE SHAFT TUBE	後直軸套組
PD25010KS	REAR ROLL CAGE	防滾架左&右
PD25011KS	BATTERY BOX	電池盒組
PD25012KS	UNIVERSAL AXLE	前後傳動軸組
PD25013KS	FRONT ARMS	前擺臂組
PD25014KS	ROLL CAGE ROOF	防滾架組(上)
PD25015KS	L/R ROLL CAGE	防滾架組(左&右)
PD25016KS	DIFFERENTIAL CASE	差速器本體
PD25017KS	BALL CUP SET	球頭拉桿組
PD25018KS	FRONT GEARBOX	前差速箱組
PD25019KS	FRONT SHOCK TOWER	前避震器支架
PD25020KS	FRONT BODY POST	前車殼支架
PD25021KS	STEERING BLOCK SET	轉向臂
PD25022KS	WHEEL	輪骨
PD25023KS	CASTER BLOCK SET	C型座
PD25024KS	STEERING SET	轉向組
PD25025KS	F SUSP ARM MNT BUSHING	擺臂軸套組
PD25026KS	STEERING SERVO HORN	轉向伺服機組
PD25027KS	SHOCK PARTS	避震器組
PD26001KS	GEAR SHAFT	輸入齒軸 4.97x25.15mm
PD26002KS	REAR AXLE, S	後輪軸(S)4.0x123.5mm
PD26003KS	REAR AXLE, L	後輪軸(L)4.0x153.5mm
PD26004KS	SLIPPER SPRING	限滑彈簧
PD26005KS	INPUT SHAFT	輸入軸心
PD26006KS	FRONT AXLE	CVD前輪軸9.98x27.8mm
PD26007KS	OUTPUT SHAFT	輸出軸心5.98x40mm
PD26008KS	STEERING POST	轉向支架軸4.98x37.5mm
PD26009KS	FRONT SHOCK BODY	避震器筒身10.2x40.4mm
PD26010KS	REAT SHOCK BODY	避震器筒身10.2x47.2mm
PD26011KS	SHOCK COLLAR	避震器調整環組
PD26012KS	PIVOT BALL	5.8凸緣球珠
PD26013KS	WASHER, 5x12x1.5	墊圈5.2x12x1.5mm
PD26014KS	OUTDRIVE CUP (2)	差速接杯組
PD26015KS	HINGE PIN, 3.5x56	擺臂銷
PD26016KS	BALL STUD, Long	拉桿球珠5mm
PD26017KS	STEERING BLOCK BUSHING	轉向軸套
PD26018KS	DOGBONE, 92mm	連結式傳動軸
PD26019KS	REAR SHOCK SPRING	後避震器彈簧1.2x14x72mm
PD26020KS	FRONT SHOCK SPRING	前避震器彈簧1.3x14x52mm
PD26021KS	FRONT SHOCK SHAFT	前避震器軸心3x48.8mm
PD26022KS	REAR SHOCK SHAFT	後避震器軸心3x53.9mm
PD26024KS	FRONT TURNBUCKLE, M3x48	正反牙拉桿M3x48mm
PD27001KS	HEAVY DUTY LOCKER	直軸座
PD27002KS	15T PINION GEAR	馬達齒15T
PD27003KS	GEAR SET	齒輪組
PD27005KS	WHEEL HEX DRIVES	六角輪座12x4.8mm
PD27006KS	TIRES WITH INSERTS	輪胎+內襯
PD27007KS	DIFF GEAR	差速傘齒組

PART#	DESCRIPTION	中文名稱
PD27008KS	DIFF GASKET	差速箱紙迫緊板
PD27009KS	DIFF SPUR/PINION GEAR	差速大小傘齒
PD27010KS	FRONT ARM MOUNT	投影板
PD27011KS	SLIPPER PAD	限滑來令片
PD27012KS	SLIPPER HUB	限滑夾片
PD27013KS	STEERING POST SCREW	轉向座固定螺絲
PD30001KS	BATTERY STRAPS	勾毛同體固定帶2x22.5cm
PD31001KS	BALL BEARING, 10x15x4	10X15X4滾珠軸承
PD31002KS	BALL BEARING, 8x14x4	8X14X4滾珠軸承
PD31003KS	BALL BEARING, 5x8x2.5	5X8X2.5滾珠軸承
PD31004KS	BALL BEARING, 5x11x4	5X11X4滾珠軸承
PD32001KS	O-RING, 2.8x1.9	P3-O型環2.8x1.9
PD32002KS	O-RING, 4.4x0.8	O型環4.4x0.8mm
PD33001KS	WASHER, 3mm	華司3.1x7x0.2mm
PD33002KS	WASHER, 5mm	華司5.2x9x0.2mm
PD33003KS	GEARBOX SPACER	華司 8*10*0.1mm
PD34001KS	E-CLIP, 2.5mm	E扣2.5
PD35001KS	PIN, 2x10	PIN 2x10mm
PD35002KS	PIN, 2.5x25.8	2.5x25.8銷
PD35003KS	PIN, 3x19	3x19銷
PD35004KS	JACKAL BODY, GRAY	完成組 雷虎 Jackal胡狼車殼(灰)
PD35005KS	JACKAL BODY, BLACK	完成組 雷虎 Jackal胡狼車殼(黑)
PD35006KS	JACKAL CLEAR BODY	(透明)零件包雷虎Jackal胡狼車殼
PD35007KS	JACKAL DECAL SHEET	Jackal車殼貼紙
PD90381KS	PIVOT BALL	球珠
PD90382KS	WATERPROOF GASKET	防水密封墊
PD90383KS	WATERPROOF STRIP	防水膠條
PD1949	R CLIPS(10), SHORT	R銷 6mm(銀)
PD7776	WASHER(20),M3x10	華司W3x8x0.5
PD90386KS	B. HEAD SEREW(10)M2x4	圓頭螺絲 (銀)
PD90388KS	DRIVE CUP SET SCREW	段付螺絲
PD90389KS	FHCS M. SCREW(10)M2.6x6	平頭內六螺絲 M2.6x6mm
PD90384KS	FHCS M. SCREW(10)M2.6x8	平頭內六螺絲 M2.6x8mm
PD90385KS	FHCS M. SCREW(10)M2.6x10	平頭內六螺絲 M2.6x10mm
PD0677	FHCS M. SCREW(20)M3x8	平頭內六螺絲 M3x8mm
PD0678	FHCS M. SCREW(20)M3x10	平頭內六螺絲 M3x10mm
PD0679	FHCS M. SCREW(20)M3x12	平頭內六螺絲 M3x12mm
PD0680	FHCS M. SCREW(20)M3x14	平頭內六螺絲 M3x14mm
PD0683	FHCS M. SCREW(20)M3x20	平頭內六螺絲 M3x20mm
PD0684	FHCS M. SCREW(20)M3x25	平頭內六螺絲 M3x25mm
PD9007	BHCS M.SCREW(20),M2.5x6	傘頭內六螺絲 M2.5x6mm
PD9008	BHCS M.SCREW(20),M2.5x8	傘頭內六螺絲 M2.5x8mm
PD0667	BHCS M.SCREW(20),M3x8	傘頭內六螺絲 M3x8mm
PD0668	BHCS M.SCREW(20),M3x10	傘頭內六螺絲 M3x10mm
PD0669	BHCS M.SCREW(20),M3x12	傘頭內六螺絲 M3x12mm
PD0671	BHCS M.SCREW(20),M3x16	傘頭內六螺絲 M3x16mm
PD0672	BHCS M.SCREW(20),M3x18	傘頭內六螺絲 M3x18mm
PD0675	BHCS M.SCREW(20),M3x25	傘頭內六螺絲 M3x25mm
PD90387KS	BHCS M.SCREW(10),M3x28	傘頭內六螺絲 M3x28mm
PD90390KS	BHPS TAP SCREW(10),M3x10	墊圈自攻螺絲 M3x10mm
PD90352KS	CVA COUPLERS (2)	傳動軸止銷
PD90399KS	STD SERVO, 7KG	伺服機
PD90400KS	BRUSHLESS MOTOR, 3600KV	無刷馬達3600KV
PD90401KS	BRUSHLESS ESC, 80A	無刷馬達速控器,80A

Declaration of Conformity

according to R&TTE Directive 1999/5/EC

For the following equipment:

Product	:	**JACKAL**
Type Designation/Trademark	:	**6544-F / Thunder Tiger**
Manufacturer's Name	:	**Thunder Tiger Corp.**
Manufacturer's Address	:	**No.7, 6th Road, Industry Park,**
		Taichung, Taiwan 40755

- **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 62311 (2008)
EN 60950-1+A11+A1+A12 (2011)
EN 301 489-1 (v1.9.2)
EN 301 489-17 (v2.2.1)
EN 300 328 (v1.8.1)
EN 55014-1: 2006+A1: 2009+A2: 2011
EN 55014-2: 1997+A1: 2001+A2: 2008
IEC 61000-6-3: 2006/A1: 2010
CISR22: 2008
IEC 61000-6-1: 2005
IEC 61000-4-2: 2008
IEC 61000-4-3: 2010
IEC 61000-4-8: 2009

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	:	**Jay Trellis** 
Position/Title	:	**Assist Manager**
Date	:	**August, 2015**

Memo