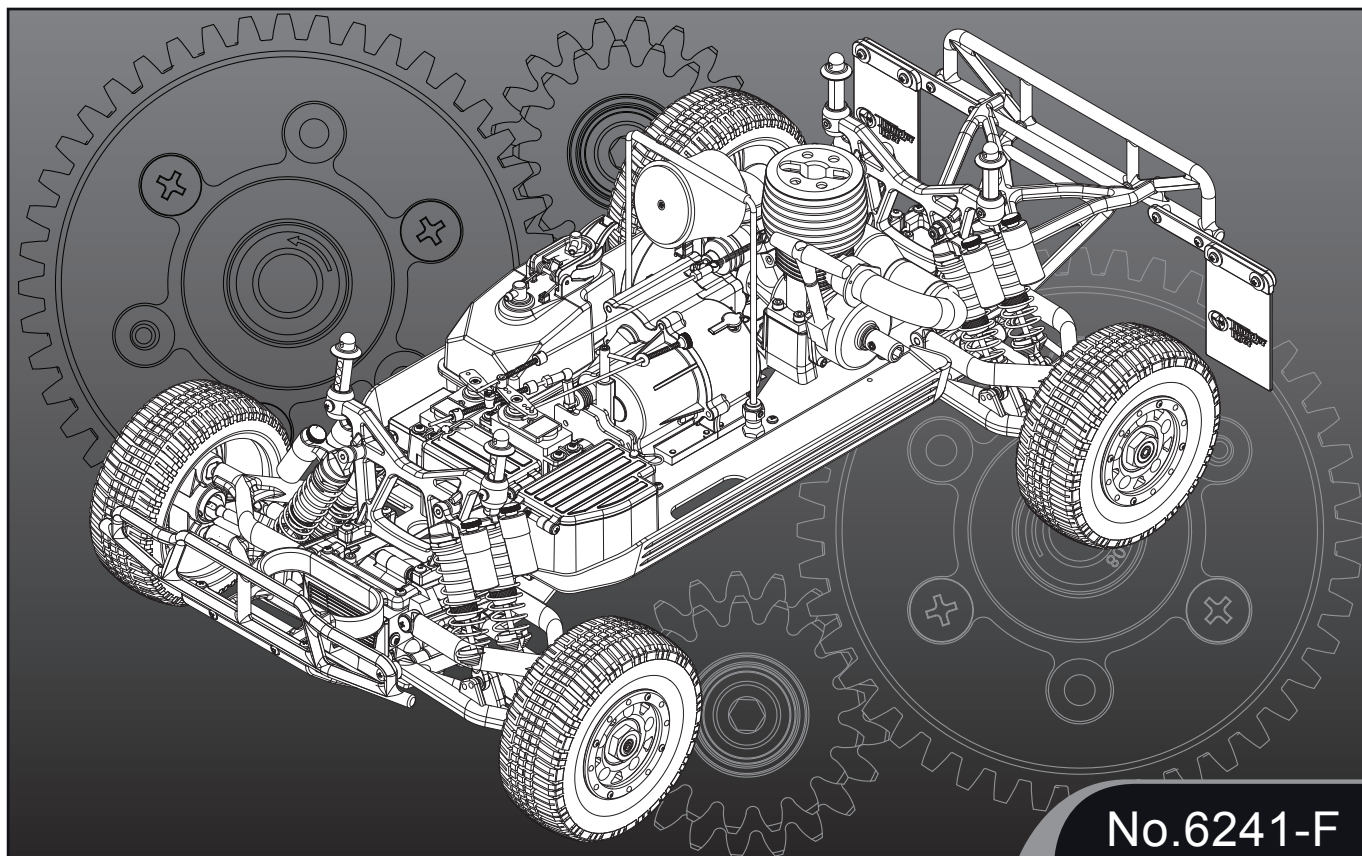


RTA4

1:8 SCALE NITRO-POWERD 4WD RACING TRUCK 1:8 引擎動力四驅競賽卡車



No.6241-F



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 specification 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。

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 kit to be free from defects in both material and workmanship. The total monetary value under warranty will in no case exceed the cost of the original kit purchased. This warranty does not cover any components damaged by use or modification. Part or parts missing from this kit 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 nearest you. Under no circumstances can a dealer or distributor accept return of a kit if assembly has started.

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。
品質保證不包含下列事項
因使用、組裝或調整本產品所發生之損壞。
其他所有非產品本身品質所造成之損壞。

INTRODUCTION 前言

Thank you for purchasing this Thunder Tiger product. This manual contains the steps and instructions required to assemble your car. Please read this manual completely before attempting to start maintenance. Follow the directions in this manual closely to reduce problems during operation. We offer online help on our thundertiger.com and [facebook.com/ThunderTigerFans](https://www.facebook.com/ThunderTigerFans) and our product specialists are ready to answer any technical questions. Have fun and enjoy the exciting world of R/C.

感謝您購買雷虎科技 RTA4 引擎四驅卡車。雷虎科技以提供最高品質的產品及服務作為持續努力的目標。並藉由參與競賽及重覆測試產品，不斷累積經驗，進而提昇設計及製造品質，期望能呈現給您最頂級之工藝產品。本使用說明書包含了操作本產品前所需注意的重要事項，建議您在開始準備及操作本產品之前，能詳閱此說明書，並熟悉本產品之操控系統。若是您在產品的操作及使用上有任何的疑問，歡迎多加利用我們所提供的24小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，社群網址為www.facebook.com/ThunderTigerFans，我們將竭誠為您服務！

CAUTION 注意事項

Thank you for purchasing a Thunder Tiger Product.

Please read all instructions and familiarize yourself with the products and controls before operation.

1. This product is not a toy. It is a high performance model product. It is important to familiarize yourself with the model, its manual, and its construction before assembly or operation. A child operating under the supervision of the adults is necessary.
2. Always keep this instruction manual ready at your hand for your assembling and operating reference, even after completing the assembly.
3. Make sure all the screws are properly tightened and all the parts are checked after running the car for a long period of time.
4. For the best performance, it is important to make sure all the moveable parts work free without binding.
5. Do not operate model products in rain, on public roads, near crowds, near airport, or near areas with restricted radio operation.
6. Always keep fuel away from heat and open flame. Only operate in open, well-ventilated area. Store fuel in cool, dry area. Keep the fuel bottle cap tightly closed. Clean up any leak or excess fuel before starting the engine.
7. This product, its parts, and its construction tools can be harmful to your health. Always exercise extreme caution when assembling and/or operating this product. Do not touch any part of the model that rotates.

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，組裝與操作過程須由成人陪同。請詳讀此使用說明書，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. 請定時巡檢車輛上之所有螺絲是否鎖緊，零件是否鬆動。
4. 請檢視所有活動部位零件是否不受干涉，可靈活作動，以達到車輛最佳性能。
5. 請勿於雨天、公眾空間、道路、機場附近與其他限制遙控模型活動區域，操控本項產品。
6. 遙控模型專用燃料，具相當高的揮發性與低燃點特性，請您於使用或儲存時遵照使用燃油之相關規定；使用時必須遠離火源，儲藏時必須避免日曬並放置於乾燥陰涼處，以及兒童無法取得處。
7. 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，當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，先行請教具有相當程度經驗同好或是專業雷虎經銷商與模型專賣店。

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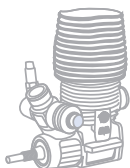
IMPORTANT NOTES & WARNING 重要注意事項

FUEL 燃油



1. Choose a fuel from a reputable, brand name company that is approved for car/truck use. Do not use airplane or boat fuels in your car/truck. Never use gasoline in a glow model engine.
 2. Fuel color is for identification purpose only and is not important to performance or durability of your engine.
 3. Always store fuel in a well ventilated place, away from heating devices, open flames, direct sunlight, or batteries. Keep glow fuel away from children. Always keep your fuel bottle closed when not in use.
 4. Do not dispose of fuel or empty fuel containers in a fire. It may possibly cause fire or explosion.
1. 請選擇具品牌知名度且經過認可、標準的遙控車專用燃油。模型專用燃油以甲醇為主，內含硝基甲烷10%~30%，合成或半合成潤滑油約5%~18%，一般車用燃油建議以含20%硝基甲烷比例的燃油，較為適中。請勿使用一般汽車用燃油於模型專用引擎上。
 2. 燃油的顏色主要是辨識用，對於引擎的性能及耐久性並無影響。
 3. 儲存燃油時請置放於通風良好的地方，遠離熱源、高溫電器用品或蓄電池，並儘量避免陽光直射。燃油不用時請儲藏於幼兒無法接觸之處並請隨時關緊瓶蓋。
 4. 勿將燃油及燃油空瓶接近火源，高溫可能會引起爆炸起火的危險。

ENGINE 引擎



1. For proper engine break-in procedure, please refer to the manual of your engine.
 2. Never run your vehicle without the air filter. If the vehicle will be operated in an area with fine dust, use filter oil or caster oil on the air filter element. It is important that the foam is only moist to trap dirt and allow air passage. With the foam too wet, limited air can pass through; therefore, limiting engine performance.
 3. The parts around engine could be dangerously hot after operation. Do not touch it without any protection!
1. 引擎的磨合步驟，請參考引擎手冊。
 2. 引擎沒裝空氣濾清器，請勿發動引擎。在有粉塵的場地操作車輛時，空氣濾清器棉需加入空氣濾清器油或蓖麻油，用以吸附粉塵。空濾油加入空濾棉中需適量。太多，會影響引擎進氣效率，引擎性能會受到限制。太少，粉塵容易進入引擎內部，造成損壞。
 3. 車輛操作過後，引擎及排氣管的溫度很高，請勿接觸這些危險部位。

OPERATION 遙控系統



1. Choose the right place to operate your R/C model. Do not run on public streets or highways. This could cause serious accidents, personal injuries, and/or property damage. Never run R/C models near people or animals. To avoid injury, do not run in confined spaces. Do not run where loud noises can disturb others, such as hospitals and residential areas. Never run indoors. There is a high risk of fire and/or damage.
 2. Inspect your model before operation. Make sure all the screws are properly tightened and all the parts are checked after running the car for a long period of time. Always use fresh batteries for your transmitter and for your receiver to avoid losing control of the model. Always test the brakes and the throttle before starting your engine to avoid losing control of the model.
 3. Do not touch any part of the model that rotates.
1. 請勿於雨天、公眾空間、道路、機場附近與其他限制遙控模型活動區域，操控本項產品。
 2. 車輛操作前，請檢查電池電量是否充足，巡檢車輛上之所有螺絲是否鎖緊，零件是否鬆動，並測試煞車及油門裝置是否正常以免發生失控情形。
 3. 請勿將手指或任何物品接觸正在轉動的裝置。

FIRST AID 安全注意事項



1. If you drink nitro fuel by accident, immediately drink large quantities of water and try to induce vomiting. Consult with physician right after then.
 2. If the nitro fuel gets into your eyes, rinse them well with water. Consult with physician right after then.
 3. If the fuel gets onto your skin, wash it well with soap and water.
1. 如果您誤食燃油，請立即喝大量的水稀釋且立即催吐，並立即送醫檢查。
 2. 如果眼睛不慎接觸到燃油，請立即以清水沖洗，並送醫檢查。
 3. 如果燃油接觸到皮膚，請以肥皂及清水洗淨。

WARNING 警告



1. Improper operations may cause personal and/or property damage. Thunder Tiger and its distributor have no control over damage resulting from shipping, improper construction, or improper usage.
 2. Thunder Tiger assumes and accepts no responsibility for personal and/or property damages resulting from the use of improper building materials, equipment and operations. By the act of assembling or operating this product, the user accepts all resulting liability. If the buyer is not prepared to accept this liability, then he/she should return this kit in new, unassembled, and unused condition to the place of purchase.
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. 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，當發生這些傷害事件時，製造商及其經銷商是可以免除責任的。建議您於初次使用本產品前，先行請教具有相當程度經驗同好或是專業雷虎經銷商與模型專賣店。

ITEMS REQUIRED FOR OPERATION 周邊配件



Screw Drivers, Lexan Body Reamer, Hobby Knife, Lexan Scissors.
十字起子、一字起子、挖孔器、車殼剪、美工刀



No.2430
PRO-START Engine Starter
引擎啟動器

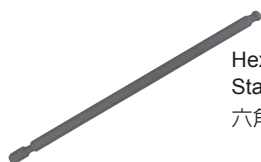


Glow Fuel, Methanol 10% to 30% Nitro 5% to 18% Caster / Synthetic Oil
模型專用燃料(含10%~30%硝基甲烷、5%~18%潤滑油)

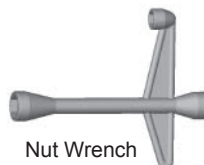
Tools Included 附屬工具



Hex Wrench Set, 2.0mm / 2.5mm / 3.0mm / 5.0mm
六角扳手, 2.0mm / 2.5mm / 3.0mm / 5.0mm



Hex Drive Starting Shaft
六角引擎啟動棒



Nut Wrench
十字扳手



Battery Box
電池盒



5-Way Wrench
六角螺帽套筒扳手



No.1266
Fuel Bottle, 350CC
加油壺



No.2932 Ni-MH battery Pack/Hump, 6V/1200mAh 2/3A
鎳氫充電電池包



*AA Rechargeable Ni-MH battery 4 pieces for receiver
接收機用電池



AA Alkaline dry batteries 8 pieces for transmitter
發射機用電池



No.2156 / 2156-J / 2157 / 2158
Glow Starter w/ Charger
2156 120 / 2P | 2157 230 / 2P
2156-J 100 / 2P | 2158 230 / 3P
電夾及充電器

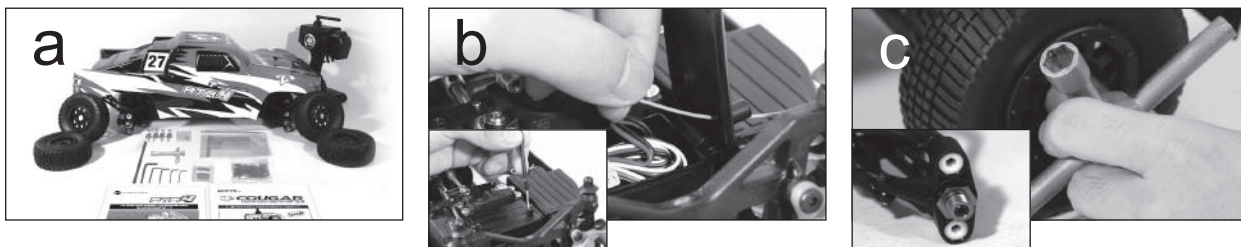
Note:

Battery life is short when using Alkaline batteries. For safety, we recommend using Alkaline batteries for only 30 minutes before testing; mostly changing. Battery strength affects braking power and radio range. If voltage drops while running the car, you will lose control and destroy your car! This is NOT covered under warranty. To increase run time, upgrade receiver battery to a 5-cell flat /hump pack (TT#2932 Hump). But, the most important step you can make, "is to always use fully charged or fresh batteries when running your car".

註：

一般碳鋅或鹼性乾電池的使用壽命有限，為了安全起見，我們建議玩家能使用電池蓄電力較佳及具有較高電流輸出特性之鎳氫充電電池，可有效延長產品操作時間並大幅增加煞車制動力以及增強遙控操作距離來確保產品操作之安全性。請注意！玩家操控本模型前請先確認安裝符合本產品需求且充電完全之電池。如玩家因為使用充電量不足之電池操作本產品而導致失控，造成任何財產及人身之損害並不在本公司之保固及賠償範圍之內！如欲選購大容量之鎳氫充電電池包，請參考雷虎網站之產品資訊或依需求選購TT#2932 5-Cell 6V Hump鎳氫充電電池包。

1 UNWRAPPING THE TRUCK FROM BOX AND INSTALLING THE TIRE 從包裝盒中取出車輛，安裝輪胎



- Remove the truck, radio, and accessories from box.
 - Thread antenna wire through the tubing, and then install the antenna tube onto the box top hole (Do not cut or shorten antenna wire).
 - Install the wheels. Apply the wheel nuts onto the hex adapter. Turn the wrench to tighten the wheel nuts.
- a. 將車體、發射機與隨機配件取出。
b. 束帶為可活動拆卸式，操作方式如圖示。將天線穿過天線套管並固定於電池盒上（勿裁剪天線以免影響接收距離）。
c. 將輪胎裝入六角輪座（如圖示），利用隨車所附扳手鎖緊螺帽。

2 CHARGING THE GLOW PLUG IGNITER 電夾充電方式

Glow plug igniter and charger has to be purchased separately. 充電電夾需另外選購



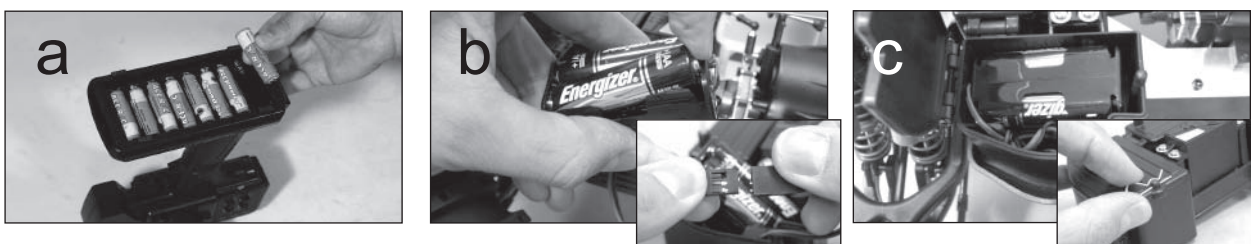
- Plug the charger into an AC outlet, and then pull on the igniter lever to accept the charging adapter.
- At this point, the small red LED indicator on the charger should light up indicating the charging sequence is in progress.
- When the charging complete, pull on the glow plug igniter lever to unplug the glow igniter. Charge the new glow plug igniter for 16 to 24 hours on the first charge. For subsequent charges, charge it about 12 hours before next use.

⚠ Note ! If the igniter gets warm or hot during the charge, unplug the igniter from charger immediately. A warm / hot igniter means the igniter is overcharged. Overcharging can damage the internal battery in the igniter; thus, shortening its life.

- 將充電器插入家用110V插座中，再接上電夾。
- 充電過程中，紅色LED燈會保持亮的狀態，如不亮表示為短路，電池無法充電。
- 充電完成，將充電器自插座拔下，再分開電夾；新電夾首次充電時間需16到20小時，之後只需充大約12小時即可。

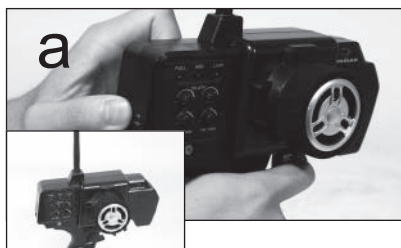
⚠ 注意！充電過程中，電夾電池如出現高溫現象(40~45°C)，表示已過度充電，需立即停止充電。過度充電容易造成電池損壞，更可能產生爆炸起火，請謹慎使用。

3 RADIO BATTERY INSTALLATION 遙控器電池包安裝與充電



- Install 8 AA-size alkaline batteries into transmitter. (⚠ If the batteries are loaded incorrectly, the transmitter may be damaged)
 - Take out the large body clip on the battery box, and remove its top plate. Install 4 AA-size alkaline batteries into battery holder.
 - And then mount the battery holder into the enclosed battery box with the large body clip.
- a. 將電池包安裝於發射機上，請注意正負極正確安裝方向。（⚠ 正負極反裝，可能造成發射機損壞）。
b. 接上接收電源。
c. 將接收機電池盒安裝於接收盒固定座，並使用大型R型插銷固定上蓋。

4 RADIO OPERATION 遙控器操作



- When turning radio on, first turn on the transmitter and keep the transmitter antenna pointing straight up.
 - Then, turn on the receiver. When turning off, first turn the receiver off, then the transmitter off.
 - To reverse the functions of servos, use the small, white servo reverse switches located on the back of the pistol transmitter. To trim the servos on pistol transmitter, use the trim switches on side of the steering wheel (the ST trims steering, and the TH trims throttle/brake).
 - For more details, please check the transmitter instruction manual.
- 先打開發射機電源，並將天線向上扳直。
 - 再將接收機電源打開；關機時先將接收機電源關閉、再關發射機。
 - 伺服機的正逆轉開關，槍型發射機在後側。
 - 更加詳細之操作注意事項，請參照遙控器說明書。

5 The ACE RC Cougar P3 熟悉2.4GHz電控系統



- Transmitter Antenna
發射機天線
- Battery Level Indicator
發射機電源顯示燈
- HI/LO Throttle ATV (Adjustable Travel Volume)
高、低速油門行程調整鈕
- Servo reversing switches
正逆轉設定裝置
- Steering Trim
轉向微調鈕
- Throttle Trim
油門微調鈕
- Steering D/R (Dual Rates)
轉向大小動調整鈕
- AUX Ch Button
第三動開關
- External Charging Jack
充電孔
- 2.4GHz binding SW
2.4GHz校頻配對設定鈕
- Steering Wheel
轉向舵輪
- Power Switch
電源開關
- Throttle Trigger
油門控制板機
- Steering Tension Adjustment
轉向舵輪調整螺絲
- Battery Cover
電池蓋

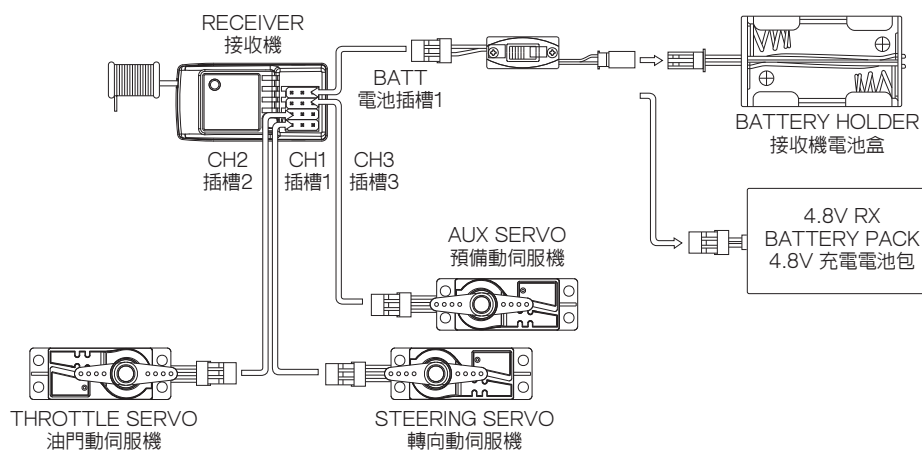
4.1 ACE RC Cougar P3 2.4GHz 發射機

TRANSMITTER CONTROLS

1. **Transmitter Antenna:** Straighten up the antenna before operating the model.
2. **Battery Level Indicator:** Three LEDs indicate the battery voltage level. If the Red LED flashes, please replace the batteries.
3. **HI/LO Throttle ATV (Adjustable Travel Volume):** Allows you to independently preset the maximum travel of the throttle servo either side (high / low) of neutral.
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:** To adjust the steering in small increments or decrements to run the model straight.
6. **Throttle Trim:** To adjust the throttle in small increments or decrements and shift neutral position.
7. **Steering D/R (Dual Rates):** Push this lever left or right to adjust the amount of the steering dual rate. Right to increase dual rate amount, and left to decrease amount.
8. **AUX Ch Button:** Additional function for controlling of the model.
9. **External Charging Jack:** For rechargeable NiCd/NiMH battery pack (transmitter pack only).
10. **2.4GHz binding SW:** The Binding SW button is located on the back of the 2.4GHz transmitter. For additional details, please refer to the "Binding" setting procedure (Page 5).
11. **Steering Wheel:** To control the steering of the model.
12. **Power Switch:** Slide to turn the transmitter on & off.
13. **Throttle Trigger:** Pull or push to control forward, reverse & speed of the model.
14. **Steering Tension Adjustment:** Use a Phillip type screwdriver to tighten or loosen the tension of the steering wheel.
15. **Battery Cover:** Slide cover to install or remove batteries.

發射機各部功能簡介

1. 發射機天線：使用發射機時，請先將發射機天線打直，以增加訊號接收距離。
2. 發射機電源顯示燈：三顆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. 高、低速油門行程調整鈕：獨立調整高、低速油門行程量功能。
4. 正逆轉設定裝置：位於發射機背面（如圖示），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. 第三動開關：第三動功能開關鈕。
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：BINDING SW校頻配對設定鈕為配對發射/接收頻率之用。更多設定請參考說明書第5頁“安全校頻配對步驟”。
11. 轉向舵輪：控制車輛轉向裝置。
12. 電源開關：發射機電源開關。
13. 油門控制板機：控制車輛前進或後退的裝置。
14. 轉向舵輪調整螺絲：使用小型十字起子調整此調整螺絲來改變轉向舵輪旋轉鬆緊度。
15. 電池蓋。



4.2 MODEL WIRING DIAGRAM 電控系統連結圖

6 BINDING PROCESS 安全校頻配對步驟

A binding feature is included in the ACE RC Cougar 2.4GHz spread spectrum system to ensure the transmitter and receiver bind properly and prevent interference from other controllers.

To manually bind Tx/Rx, please proceed as per the following steps:



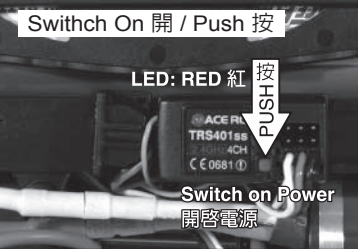



- Press and hold the "Binding SW" button on the back side of the transmitter while turning on the transmitter.
- Release the "Binding SW" button after the green LED flashes indicating the transmitter is binding.
- Press and hold the bind button on the receiver while turning on the receiver. Binding process will then start automatically. The LED will turn green/red flash on the receiver.
- Release the "Binding SW" button. Successful binding is confirmed by the binding LED changing from a quick blinking and then remain solid on the transmitter. The LED will turn green on the receiver. Once binding is complete, the system will automatically connect.

Note: Binding process may take 3~10 seconds to execute. If binding fails, the LED on the receiver will turn red. Please turn off the power and repeat the steps from a) ~d).

ACE RC Cougar P3 採用最先進的專用3動2.4GHz無線展頻遙控系統。這個系統結合發射與接收可以互動溝通模式，跳動頻道搜尋，使得整體無線遙控系統的傳輸展現精準穩定的特性同時也無須擔心頻率干擾的問題。如發現無法操控情形發生，需要重新校頻配對，請依照下列步驟重新進行校頻配對程序：

- 打開發射機電源時，同時持續按壓發射機背面之"Binding SW"按鈕。
- 直到按鈕旁之LED綠燈快速閃爍，再放開"Binding SW"按鈕，表示發射機正在進行自動搜尋校頻，此時請不要關閉發射機電源。
- 然後按壓接收機上之"Binding SW"按鈕並同時開啓接收機電源，此時接收機將自動進行校頻配對程序。接收機LED燈號為紅綠快速閃爍。
- 放開"Binding SW"，一旦完成配對程序，發射機LED燈號會從綠色快速閃爍轉換成持續綠色燈號，接收機LED燈號將從紅色轉換為綠色。此時表示接收機與發射機已完成配對溝通，可以進行操控。

注意：遙控系統校頻配對可能需要3~10秒執行程序。如果程序執行錯誤，發射及接收模組的LED燈號將持續呈現紅色。請關閉電源再依a) ~d) 的順序重新操作配對程序。

Step 步驟	TX Action 動作	RX Action 動作	LED 燈號
a		No Action	—
		無須動作	—
b		No Action	TX LED : GREEN FLASH
		無須動作	TX 燈號：綠燈快速閃爍
c	No Action		RX LED : GREEN/RED FLASH
	無須動作		RX 燈號：綠/紅燈快速閃爍
d	No Action		TX LED : GREEN FLASH-->GREEN SOLID RX LED : RED SOLID-->GREEN SOLID
	無須動作		TX 燈號：綠燈快速閃爍-->綠燈恆亮 RX 燈號：紅燈恆亮-->綠燈恆亮

7 F/S-FAIL SAFE 防暴衝設定

How to Set the Fail Safe (F/S) Position

- After binding the transmitter and receiver, you can continually set up the F/S position. Turn on the transmitter power and then receiver power.
- Press the "Binding SW" button on the receiver. 10 seconds later, the LED will turn green flash on the receiver.
(Caution! Don't release the "Binding SW" button now until STEP c has been completed.)
- Move and hold the throttle trigger to the F/S servo position where you want to set. Keep steering wheel at Neutral. To set up F/S with servo position at "Brake", first push the trigger to the brake position and hold. To set up F/S with servo position at "Neutral", keep the trigger at neutral.
(Caution: Always set the throttle trigger to the neutral or full brake position incase of any unexpected control error!)
- After the Step3, release the "Binding SW" button first and then the throttle trigger. The LED turns to solid "RED" and then back to solid "GREEN" 2 seconds after. The F/S set up has now been activated.
- F/S at "Neutral": To check the fail safe is working properly, by moving the throttle trigger to the full forward (full brake), hold it on this position and then turn off the transmitter. The F/S function should move the throttle servo to "Neutral".
F/S at "Brake": To check the fail safe is working properly, by keeping the throttle trigger at neutral and then turn off the transmitter. The F/S function should move the throttle servo to "Brake".
- If the F/S set up fail, try the steps from a) ~f) again. After the F/S has been fully complete, you can just start your operation. Transmitter first, receiver later.





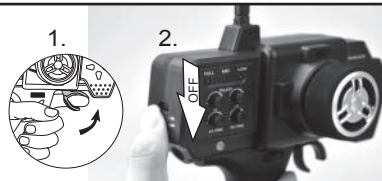

- 設定此功能前請先完成系統發射與接收之對頻。確定後，先打開發射機再開接收機電源。
- 押著接收機對頻開關，約10秒鐘後LED會變為綠色快速閃爍

⚠ 注意：步驟3完成前不要放開接收機對頻開關。

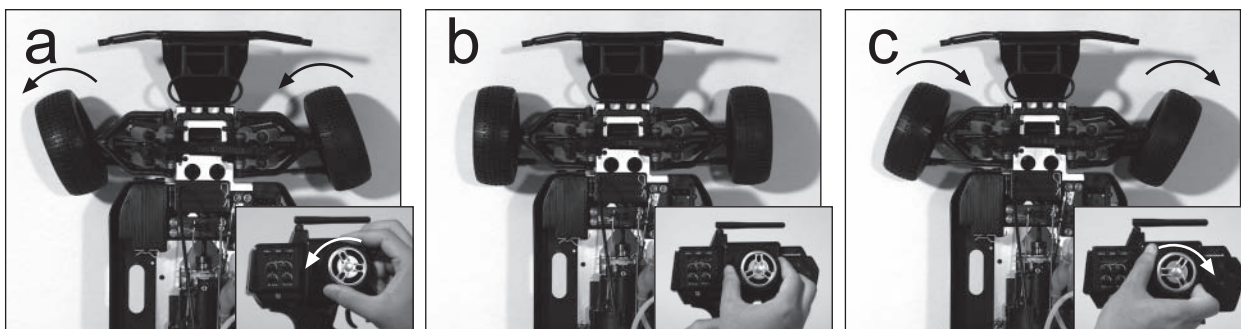
- 同時移動油門扳機至您想要設定F/S伺服機位置。轉向舵輪保持中立點位置。
【如想要設定F/S油門伺服機位置為煞車，需先移動油門扳機至煞車位置不要鬆開。】
【如想要設定F/S油門伺服機為至為中立，保持油門扳機在中立點位置，不要移動油門扳機。】

⚠ 注意：防暴衝油門伺服機位置建議設定為煞車或中立點，請勿設定為油門開啓位置，以免發生危險。

- 此時你可以放開接收機對頻開關，再放開發射機油門扳機。LED會變為恆亮紅燈，約2秒後又回到恆亮綠燈，此時表示F/S設定成功。
- F/S油門伺服機位置為中立點：將油門扳機全煞車，關掉發射機電源，檢視F/S伺服機位置動作是否轉回中立點位置。F/S油門伺服機位置為煞車：油門扳機保持中立點，關掉發射機電源，檢視F/S伺服機位置動作是否轉回煞車位置。
- 檢查無誤後，開發射機開關，然後接收機關開始操作。

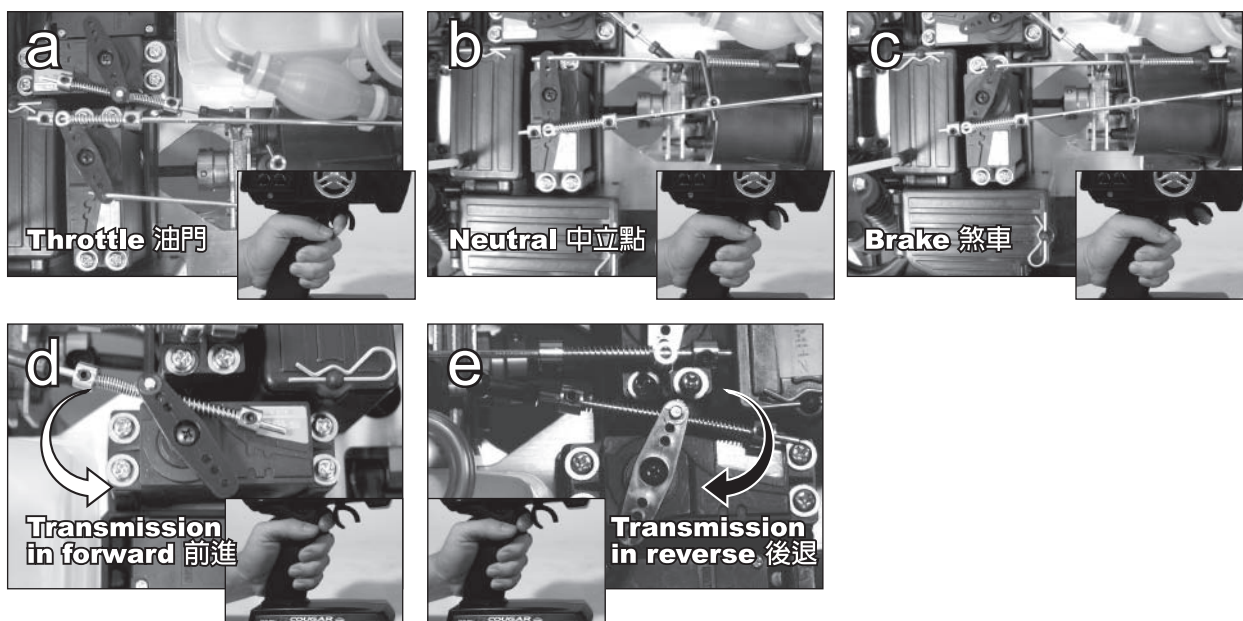
Step 步驟	TX Action 動作	RX Action 動作	Check 確認
a	Binding Complete	Binding Complete	TX LED : GREEN SOLID RX LED : GREEN SOLID
	完成對頻	完成對頻	TX 燈號：綠燈恆亮 RX 燈號：綠燈恆亮
b	No Action	Push for 10 seconds 先持續按10秒	RX LED : GREEN FLASH
	無須動作	 Switch on Power 開啓電源	RX 燈號：綠燈快速閃爍
c	1. Steering: Neutral 2. Keep brake or trigger at neutral 	No Action	—
	1. 轉向中立 2. 保持煞車或油門扳機在中立點位置	無須動作	—
d	Release later 	Release first 先放開	RX LED: RED SOLID-2s->GREEN SOLID
	後放開		RX燈號： 紅燈恆亮-2秒->綠燈恆亮
e	1. Keep brake 2. Switch Off 	No Action	EP Car: Steering at Neutral / ESC at Neutral/Barke
	1. 保持煞車 2. 關發射機	無須動作	電車：轉向朝前，速控器煞車 油車：轉向朝前，油門關閉（怠速）煞車啟動
f	OK! 		

8 OPERATING RADIO STEERING FUNCTION 遙控器設定－轉向



- Check the radio steering functions. With the radio transmitter and receiver on, turn the steering wheel/stick to the left. The front tires/wheels should turn left accordingly. If not, flip the steering servo reverse switch.
 - Return the steering wheel/stick to neutral. The front tires/wheels should point straight forward. If not, use the steering trim lever to correct it.
 - Turn the steering wheel/stick to the right. The front tires/wheels should turn right accordingly.
- 將發射機與接收機電源開關打開，以確認遙控器功能是否正常。方向舵向左邊旋轉時，前輪應向左偏擺（如圖示），若方向不一致，請調整方向舵正逆轉開關。
 - 方向舵轉回中立點時，前輪應筆直向前，若有偏差，請調整方向舵微調旋鈕。
 - 方向舵轉向右邊時，前輪應轉向右邊。

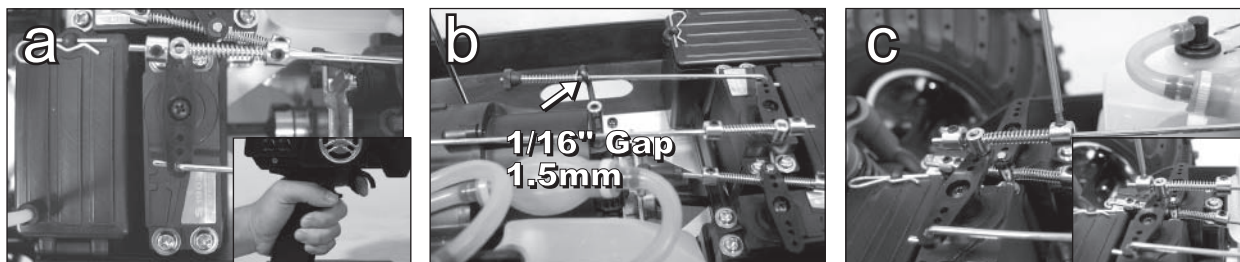
9 OPERATING RADIO THROTTLE/BRAKE AND REVERSE FUNCTION 遙控器設定－油門、煞車、後退



- Check the radio throttle/brake functions. With the radio transmitter and receiver on, pull the trigger/push the stick forward. The carburetor should be fully opened and the brake disengaged. To reverse this function, flip the throttle/brake servo reverse switch.
 - Return the trigger/stick to neutral. The carburetor should be closed to a point where the idle has been set (see step for ADJUSTING THROTTLE/BRAKE LINKAGE), and the brake still disengaged. If not, use the throttle/brake trim lever to correct it.
 - Push the trigger/pull the stick backward. The carburetor opening should still be the same at neutral, throttle spring compressed slightly, and the brake engaged.
 - Press the Forward/Reverse Button. This will shift the truck into Reverse. Press the Forward/Reverse Button again to shift the truck into Forward.
- 請先將發射機與接收機電源開關打開，以檢查油門、煞車動作是否正常動作。將油門板手向內拉到底時，化油器應完全開啓，煞車脫離（可輕輕轉動後輪，確認煞車是否完全脫離）。
 - 將油門拉桿推回中立點時，化油器應關閉至定點，煞車仍為脫離狀態；若狀態有所偏差，請調整油門微調鈕。
 - 油門拉桿向外推時，化油器應關閉至定點，且煞車須為鎖死狀態。
 - 壓下倒退鈕（位置如圖示）。車輛行進方向將變為倒退；再壓一下倒退鈕，車輛行進方向將變回前。

10 ADJUSTING THROTTLE / BRAKE LINKAGE

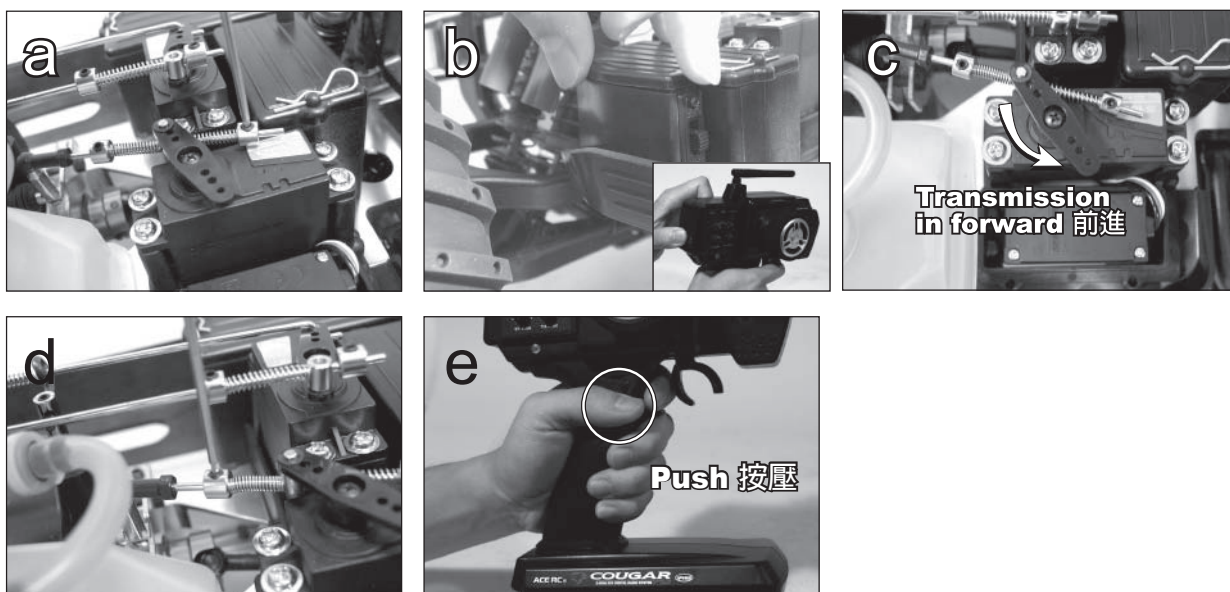
油門及煞車連桿調整



- To set the throttle/brake linkage, first the radio should be on and neutral; thus, the servo is at neutral position.
 - With the servo at neutral, turn and adjust plastic brake adjustment nut at the end of the linkage until there is a 1/16"(1.5mm) gap between the spring and the brake lever when the spring is not compressed. (The brake lever should almost engages the brake system, but not yet.)
 - With the servo at neutral, using a 1.5mm Allen wrench driver to loosen the throttle collars. Then, manually close the carburetor, and set the forward collar (next to the spring) with the spring slightly compressed. Then, set the other collar (rearward) next to the linkage pivot.
- 設定油門與煞車連桿，第一步驟應確認發射機與接收機電源開啓，伺服機與所有撥桿應位於中立點。
 - 保持油門伺服機位於中立點狀態，調整煞車連桿至彈簧與煞車撥桿保持1.5mm間隙（彈簧處於不受壓縮狀態），並且煞車幾乎咬合的狀態加以固定。
 - 保持油門伺服機位於中立點狀態，轉鬆油門拉桿固定螺絲，手動關閉化油器，固定拉桿上之螺絲（保持彈簧為輕度壓縮狀態），再固定另一側螺絲。

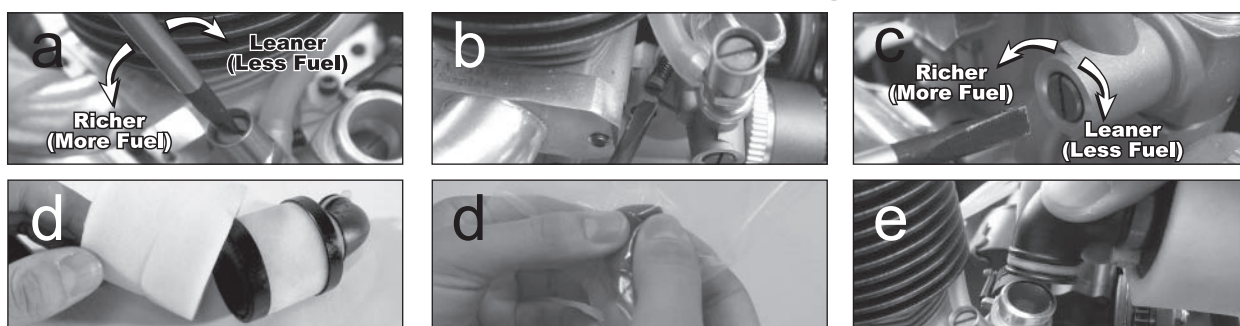
11 ADJUSTING FORWARD / REVERSE LINKAGE

倒退行走連桿調整



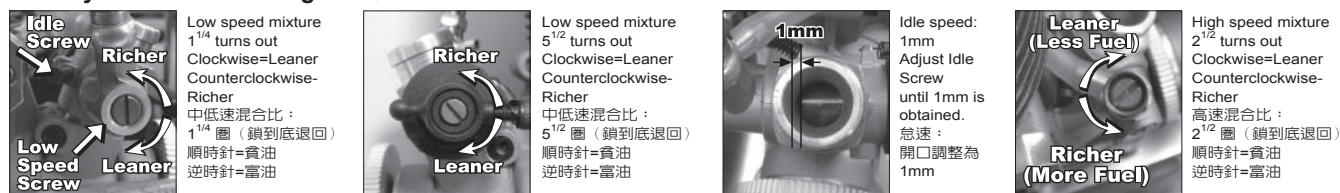
- Loosen the setscrews of the collars on the wire linkages using a 1.5mm Allen driver.
 - Turn on the radio and the truck, but do not start the engine.
 - The servo will move automatically to the position for forward driving.
 - Move the rearward collar toward the linkage pivot collar on the servo horn until the spring is fully compressed. Uncompress the spring about 3/16"(4.5mm) by sliding the collar back and then tighten the setscrew.
 - Press the FWD/REV button on the radio.
 - Repeat step 9d with the forward collar.
- 鬆脫連桿上之螺絲（1.5mm）。
 - 將發射機與接收機電源打開（注意：引擎保持未發動狀態）。
 - 伺服機將自動朝車輛前進方向位置擺動。
 - 移動連桿上後側之調整螺絲（如圖示），將彈簧完全壓縮之後再退出約4.5mm的距離，將螺絲固定。
 - 壓下遙控器上倒退切換鈕（如圖示）。
 - 參照步驟d，調整連桿上前端之調整螺絲。

12 ADJUSTING CARBURETOR 化油器調整



- To set the high speed needle (large needle sticking out from the carburetor body), turn the screw as pictured. Initial high speed needle setting should be 3 turns (close the needle completely, then back out 2 1/2 turns). Clockwise turn will provide leaner setting (lower fuel to air mixture), and counterclockwise turn will provide richer setting (higher fuel to air mixture).
 - To set the carburetor idle (small needle sticking out from the carburetor body), turn the screw as pictured. Initial idle setting should leave 1mm carburetor gap. Clockwise turn will provide higher idle (larger carburetor opening), and counterclockwise turn will provide lower idle (smaller carburetor opening). For more details about the engine setting, please refer to ENGINE BREAKIN/ SETTING procedures to properly set the engine.
 - To set the low speed needle (The low-speed mixture screw is located in the end of the carburetor). turn the screw as pictured. Initial low speed needle setting should be 6 1/2 turns (close the needle completely, then back out 6.5 turns). This screw controls how much fuel enters the engine at idle and low throttle. This adjustment will smooth the idle and improve the acceleration to mid speed. Make this adjustment with the throttle closed, after setting the idle. Turn the screw clockwise gently until it stops. DO NOT over tighten.
 - Remove the outer foam from filter and make it moist evenly with a few drops of fuel. Put the filter in a plastic bag and knead it until the foam is saturated, but not soaked.
 - Finally, make sure the air cleaner boot is securely fastened with a zip-tie. Never run your vehicle without the air filter. If the vehicle will be operated in an area with fine dust, use filter oil or castor oil instead of fuel. It is important that the foam is only moist to trap dirt and allow air passage. With the foam too wet, limited air can pass through; therefore, limiting engine performance.
- 高速油針調整：調整高速油針（突出於化油器本體之較大螺絲），如圖示。於調整前應先保持油針於開啓2.5圈的位置（油針完全鎖緊後再鬆開2.5圈）。高速油針順時針旋轉，化油器將會呈現較為貧油設定；逆時針旋轉將會呈現較為富油設定。請參考引擎使用手冊來設定您愛車的引擎。
 - 怠速設定：設定引擎怠速轉速用螺絲，突出於化油器本體之較小螺絲（如圖示），於調整前注意化油器應保持1mm的開口。怠速螺絲順時針旋轉，怠速轉速提高；逆時針旋轉，怠速轉速降低。請參考引擎磨合建議來設定您愛車的引擎。
 - 低速油針調整：調整低速油針時需卸下車殼（低速油針位於化油器本體末端如圖示）。調整前應先保持油針於開啓6.5圈的位置（油針完全鎖緊後再鬆開6.5圈）。正確調整此油針可讓怠速與中低速更加順暢，調整此油針時需將油門關閉，以及怠速設定完成後。
 - 空氣濾清器：本車搭配高性能空氣濾清器，建議您於使用前於濾清器上塗抹適量濾清器專用油，可加強過濾粉塵，避免進入化油器造成引擎損壞。
 - 最後確認固定濾清器之束帶是否確實綁緊引擎請勿於未安裝空氣濾清器情況下運轉，並且注意濾清器的清潔工作以避免造成引擎的損壞與壽命簡短。建議使用適當的濾清器專用油，強化過濾的功能。

Factory Carburetor Settings. 原廠設定值



13 FUELLING 燃油的添加



- Remove the cap from fuel bottle nozzle.
- Squeeze the fuel bottle, insert into fuel, and draw fuel into the fuel bottle.
- Lift up the lid on the fuel tank and fill car's fuel tank with glow fuel slowly. Be careful. If the tank overflows it might get on your radio gear or on your brakes and you may create an unsafe driving situation. Always keep your fuel bottle closed when not in use.

- 移開注油器上之封蓋
- 擠壓注油器將桶裝燃油吸入注油器內。
- 打開油箱上蓋，將燃油注入油箱內。
請小心將燃油注入油箱，避免油箱內之燃油溢出，以免影響車輛性能，造成危險。
燃油使用完畢，請注意將油桶蓋確實緊閉。

Fuel Selection

Choose a fuel from a reputable, brand name company that is approved for car/truck use. Do not use airplane or boat fuels in your truck. Choose methanol based model engine glow fuel that has a nitro content in the range 10%-30% and 5% to 18% castor/synthetic oil content for lubrication. Lower nitro percentages will generally result in a cooler engine running temperature and therefore last longer before needing a rebuild; cooler-running engines also generally produce less power. 20% nitro is the most widely used fuel in these engines. Fuel color is for identification purpose only and is not important to performance or durability of your engine.

燃油選擇

- 請選購專業模型引擎用油廠商所生產之燃油（例如OMEGA）。
- 必須使用車類專用油，不可使用飛機或船類用油。
- 建議使用10% - 30%全合成車類用油，達到引擎最佳工作條件。
- 避免油箱內之燃油溢出，以免影響車輛性能，造成危險。
- 勿將燃油或空油箱靠近火源，以免引起火災。

14 PREPARING THE ENGINE FOR STARTING 引擎整備工作



- To start an engine, first remove the glow plug.
 - Prime the carburetor by squeezing the primer bulb while watching the fuel come through the line and just reach the carburetor inlet. Then, give the bulb another 1/4 squeeze (1/8"). **BE CAREFUL NOT TO SQUEEZE TOO MUCH** or the engine will become flooded. Attempting to start a grossly flooded (or hydrolocked) engine (full of fuel) can cause serious damage to internal engine parts.
 - Check the glow plug by plugging it into the glow plug igniter. The glow plug element should light up brightly. If it lights up dimly, then the glow plug igniter is low (and it needs recharging). If it does not light up or the plug element looks distorted, then the glow plug is bad (replace with new one). After checking, reinstall the glow plug. The glow plug used for this engine can be: Thunder Tiger 9281, McCoy #9 / #59, Novarossi C4S / C5S / C6S, OS #8 / #A3 / #A5, and Picco P6S / P7S.
- 首次啟動引擎前，請使用扳手將火星塞卸下。
 - 利用送油裝置將燃油送至化油器前端，再多擠壓約1/4送油器容積量即可。
注意：不可送油過量，以免造成引擎積油。
 - 將火星塞塞入電夾內檢查，若火星塞呈現明亮、紅熱的現象表示正常，若火星塞無法正常點火，請將電夾充飽電再檢查一次；若能無法正常點火，請更換電夾或火星塞。確認無誤後，將火星塞裝回引擎。

15 STARTING THE ENGINE 發動引擎



- Turn on the radio (transmitter first, then receiver).
- Clip the glow plug igniter onto engine's glow plug.
- Pull Start** - Hold the truck by the handle with one hand and pull the pull-start-cord with the other. Use quick and short pulls and make sure that you are only pulling the cord about 10-12 inches. Pulling the cord more than 14 inches or all the way will damage the pull-start mechanism. If the cord is difficult to pull or is stuck it is an almost sure sign that the engine is flooded.
- Hex Start** - Make sure that your drill is set to the clockwise or forward position. Insert the Hex Starting Shaft to the drill and tighten the drill chuck with the ball end facing away from the drill. BEFORE inserting the Hex Starting Shaft into the dual start output, squeeze the trigger and verify that the drill is turning clockwise.

If the engine becomes flooded: Turn off your truck, and then the radio. Remove the glow plug using a glow plug wrench and then remove the air filter. Turn the truck over to allow any excess fuel in the engine to run out. Turn the truck right side up. Reinstall the air cleaner. Squeeze the trigger 3 to 4 times. Reinstall the glow plug with the glow plug wrench. Return to step 16b.

CAUTION: Attempting to start the motor by using a counter-clockwise direction could damage the Hex Start mechanism or possibly the engine internal components. Insert the ball end of the Hex Start Shaft into the Hex Start output. Grasp the drill tightly and squeeze the trigger.

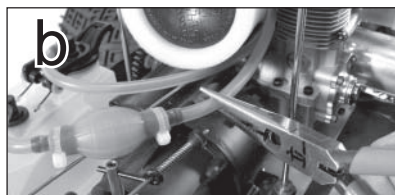
- 打開遙控器（先打開發射機電源，再開接收機電源）。
- 將電夾與火星塞連接。
- 拉動手拉器啟動引擎：油門微調可稍微提高一些，方便引擎的啟動。注意：手拉器拉出之長度必須保持在20-35公分之內，不可超過35公分，避免將手拉器繩索拉出過長，造成損壞。
- 使用啟動棒啟動引擎：先確認啟動器轉動方向為順時針旋轉。將啟動棒裝入啟動器內，另一端置入引擎起動裝置，啟動引擎。

引擎積油排除：引擎於發動過程中，若發現阻力過大，有可能引擎發積油狀況，此時必須先將引擎積油排除。

將遙控器與接收機電源關閉，將火星塞與空氣濾清器卸下，將車輛以倒置或其他各種可能角度將積油排出。再將車輛擺正，將空氣濾清器裝回，啟動引擎，重複5到7次，再將火星塞重新裝回。

注意事項：若啟動器轉動方向為逆時針旋轉，將會導致引擎啟動裝置與引擎內部構造損壞。

16 STOPPING THE ENGINE 停止引擎



- Bring your truck to a complete stop and idle. Then, Remove the body clips and body.
 - Using needle-nose pliers or a clothespin, pinch off the fuel line just before the carburetor until the engine stops (1-2 seconds).
DO NOT ATTEMPT TO STOP THE MOTOR BY TOUCHING OR GRABBING THE FLYWHEEL! These motors have a lot of torque and serious injury could occur from stopping the engine in this manner.
The exhaust gasses can be very hot, stopping the motor by plugging the exhaust with your finger could result in a serious burn.
 - Turn off your truck and then the radio
- 將車輛保持於靜止怠速狀態，將車殼移開。
 - 使用尖嘴鉗夾住油器前端油管夾住約1至2秒，直到引擎熄火。
注意：不可徒手強制停止飛輪運轉，避免造成傷害；不可用手指塞住排氣管，達到停止引擎的目的，因為排氣管工作溫度與排出之廢氣溫度皆相當高，將會造成相當大的傷害。
 - 將接收機與發射機電源依序關閉。

17 ENGINE BREAK-IN 引擎磨合

For a new engine (break-in setting), the high speed needle needs to be set as rich as possible. Turn the high speed needle 1/4 turn counterclockwise from initial setting (2 1/2 turns from fully closed). Repeat step 15b. Keep doing this until the engine stalls at full throttle, then turn the high speed needle 1/4 turn clockwise. Run the car in an open parking lot with this rich engine setting for at least 5 tanks of fuel to complete the break-in process. It is normal for new engines to stall many times during this time due to the rich setting. When it does, just restart the engine. After break-in, follow the engine setting procedure to set the carburetor for normal operations.

磨合新引擎時，需將高速油針盡可能設定在富油的狀態。從原廠設定好之高速油針位置（約2 1/2圈），每次逆時針退出1/4圈（全油門狀態下），直到引擎因富油而熄火；再將高速油針順時針轉進1/4圈。重新發動引擎，並保持此設定下（富油、全油門狀態下），磨合引擎約5桶油（車上之油箱），完成引擎磨合工作（引擎進行磨合時，因油針設定較為富油，常常會發生引擎熄火的正常現象，重新發動引擎即可）。完成引擎磨合工作後，請參照下述引擎設定步驟，設定您愛車的引擎。

ENGINE SETTING 引擎設定

Due to different fuel formula, operating elevation, humidity . . . etc. The engine may / may not operate properly at initial setting. Please follow the following procedure to achieve proper carburetor setting.

Do not perform this procedure until the engine has been properly broken in.

- Start the engine.
- With a running engine, run the car back and forth in a straight line (full throttle achieved during each passage) in an open parking lot. Repeat, and note the sound of the exhaust. Do not hold the throttle open with car off the ground or the engine connect rod may break.
- If the exhaust does not reach a high pitch note, turn the high speed needle (long needle, extending from carburetor, pointing up) 1/4 turn clockwise, and repeat step 16b.
If the exhaust reaches a high pitch note immediately, turn the high speed needle 1/4 turn counterclockwise, and repeat step 16b.
- Repeat step 16c until the engine reaches optimum setting (turning in the high speed needle will no longer have an effect at full throttle and turning out the needle will cause the engine's full throttle rpm to drop a little).
For normal operations, turn the high speed needle 1/4 turn counterclockwise from the optimum high speed needle setting.
- To set the idle, turn the idle screw in (higher rpm) or out (lower rpm).
Basically, the idle needs to be set at the lowest possible point before the engine stalls.
- To set the low speed needle (larger needle on the side of carburetor body), the engine needs to be broken-in and high speed needle needs to be set first.
- Repeating step 16b every 10 seconds (1 second of full throttle and 10 seconds of idle). If the engine rpm at idle drops after a few seconds and stalls, then turn in the low speed needle (clockwise) 1/4 turn. If the engine rpm stays the same or goes up at idle, then turn out the low speed needle (counterclockwise) 1/4 turn.
- Keep repeating step 16g until the engine rpm drops (goes to idle rpm, then drops a few more rpm after a few seconds) but does not stall at idle.

引擎因使用之燃油配方不同、操作習慣、氣候等影響，必須適時調整設定化油器，以保持引擎正常運作。

注意：引擎設定工作開始前，必需完成引擎磨合工作。

- 發動引擎。
- 於空曠安全的場地，重複進行直線來回的動作（適時將油門全開），調整高速（主）油針，並注意排氣管聲浪的變化。當車子在瞬間離地的狀態時，油門需放開，否則容易損傷活塞連桿。
- 若無法達到高速行走，請每次順時針轉進高速（主）油針1/8~1/4圈，再重複17b步驟。若引擎已達到高速行走，而產生吸不到油氣的間斷現象，請每次逆時針退出高速（主）油針1/8~1/4圈，再重複17b步驟。
- 重複步驟17b、17c完成高速（主）油針最佳設定（順時針旋轉主油針，引擎轉速反應會提高，逆時針旋轉主油針，引擎轉速少許降低）。在一般情況下使用引擎，請將高速（主）油針從最佳設定點退出1/4圈，可提高引擎使用壽命。
- 設定怠速時，請利用怠速螺絲設定，順時針轉進為提高怠速，逆時針轉出為降低怠速。在引擎不熄火狀態下，儘可能將引擎怠速設定在最低點（不熄火）。
- 設定低速（副）油針時，需完成引擎磨合以及高速油針設定後進行。
- 重複步驟17b每十秒鐘一個循環（一秒全油門、10秒怠速）。若引擎於怠速時轉速下降並熄火，順時針旋轉低速油針1/8圈；若引擎於怠速時轉速上升且偏高，逆時針旋轉低速油針1/8圈。
- 重複步驟17b，設定低速（副）油針及引擎正常怠速運作時之最低轉速（不熄火）。

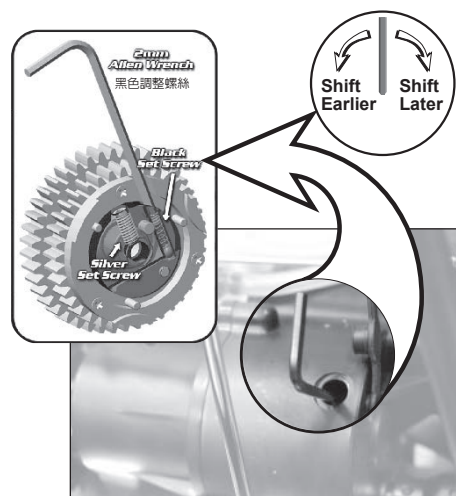
18 STORING YOUR CAR 保養建議

To keep your truck in good working condition, there are a few steps that need to be followed:

- Remove the fuel from the tank. Both your truck and squeeze bottle should always be stored free of fuel.
 - Empty any fuel remaining in your squeeze bottle back into the fuel container.
 - Draw the fuel in the fuel tank into the squeeze bottle and squeeze it back into the fuel container.
 - Repeat the above step as necessary until the tank is as empty as is possible.
 - Make sure to store your fuel container out of the reach of children in a cool, dark location and make sure that the lid is securely tightened.
- Put the glow plug igniter on the glow plug, hold the carburetor all the way open and bump the engine by using a starter a few times. This will make sure that there is no unused fuel in the engine or fuel lines.
- Use after run oil.
 - Start out by taking an old toothbrush and cleaning off the dirt around the base of the filter. This will help to keep grit out of your engine.
 - Remove the filter from the carburetor.
 - Place 2-6 drops (as recommended by after run oil manufacturer) directly into the carburetor.
 - Slowly bump the engine to distribute the oil evenly throughout the engine.
 - Reinstall the air cleaner.
- Clean your truck -storing it dirty can lead to a gummy build up and poor performance.
 - Use nitro car cleaner, WD-40 or equivalent to clean up the dirt and oil.
 - Use an old toothbrush or a small paintbrush to get to the hard to reach areas.
 - A damp cloth works well for cleaning the body. Stubborn dirt and oil on the body is best removed with any diluted organic solvents (Simple Green, etc).
- Lubricate the wheel bearings, drive axle joints, clutch bell bearings and suspension pivots using thin oil.
- IMPORTANT! Verify that BOTH the radio and receiver switches are turned off. It is very disappointing to have dead batteries next time you want to run your truck.**

為確保您的愛車狀態處於良好情況，請依照下列步驟保養您的愛車

- 將油管、注油器與油箱內之燃油完全洩除。
 - 利用注油器將油箱內燃油洩下，儲存於油桶內。
 - 再將注油器內殘油洩下，儲存於油桶內。
 - 重複上述步驟將燃油清理乾淨為止。
 - 遙控模型專用燃料，具相當高的揮發性與低燃點特性，請您於使用或儲存時遵照使用燃油之相關規定；使用時必須遠離火源，儲藏時必須避免日曬並放置於乾燥陰涼處，以及兒童無法取得處。
- 將電夾夾住火星塞，啟動引擎數次，可協助清理引擎室內之殘油。
- 使用引擎專用保養油保護引擎。
 - 建議使用牙刷將引擎外圍與空氣濾清器上灰塵清理乾淨。
 - 將空氣濾清器拆下
 - 滴2至6滴專用保養油至化油器內。
 - 使用啟動器轉動引擎，將保養油塗佈均勻。
 - 將空氣濾清器裝回。
- 清理您的愛車。
 - 使用引擎模型車專用清潔劑、WD-40或是其他清潔劑，將車身上之油漬、塵土..等清理乾。
 - 建議使用牙刷將死角清理乾淨
 - 將車殼使用清潔劑清理乾。
- 建議將輪胎軸承、傳動結構、驅動齒輪..等上油保養。
- 重要！收藏您的愛車前記得將發射機與接收機電源關閉。**



19 SET UP 設定

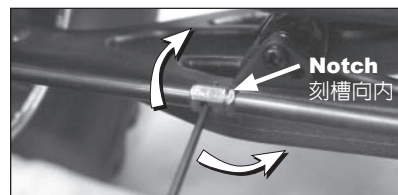
Two-Speed Adjustment 兩段變速器調整

- Your truck's two-speed shift point is preset from the factory. It should shift into 2nd gear within **12-15 feet** on a full-throttle, standing-start acceleration.
- If you wish to adjust the shift point, **first shut down the engine** then open the two-speed access cover on the transmission case. Align the **BLACK adjustment set screw** with the opening in the 2nd gear as shown on the diagram.
- Using a **2mm Allen wrench**, turn the black adjustment set screw **clockwise to make the two-speed shift later**; turn it **counterclockwise to make the two-speed shift earlier**. Only use **1/8 turn increments** whenever you adjust your two-speed.
- Close the two-speed access cover on the transmission case.
- If it is screwed in or out too much, reset the black set screw as following. First, screw in the **black set screw** clockwise gently until it is fully compressed. And then turn the black set screw counter-clockwise about 3 turns. Re-attach the main gear shell protector.
- Be careful not to touch any hot engine components in the area.
 - 您的愛車原廠即已設定最佳變速點，從完全靜止狀況下，全油門速度下大約行走5公尺至8公尺之間即會跳上第二段速度。
 - 若您欲設定新的變速點，請先關閉引擎。將變速箱外殼上之覆蓋片開啓，使用六角扳手調整設定螺絲（如圖示）。
 - 使用2mm六角扳手調整設定螺絲，順時針旋轉將延後變速點；逆時針旋轉將提前變速點。注意：每次調整以1/8圈為單位。
 - 將變速箱外殼上之覆蓋片關閉。
 - 重新安裝調整螺絲及彈簧回復原廠設定值：首先，順時鐘方向慢慢的將調整螺絲鎖入直到完全鎖緊。然後逆時鐘方向將黑色調整螺絲轉1.5~1.75圈。重新裝上齒輪保護罩。
 - 注意調整時不可碰觸引擎部位，避免受傷。

請注意固定螺絲與調整螺絲的分辨，以防轉錯螺絲造成變速箱故障。

Front & Rear Toe-In / Toe-Out 前後輪束角調整

- Use a 1.5mm Allen wrench as shown to adjust the front & rear toe-in.
 - Lengthening the Turnbuckles will increase the amount of toe-in, shortening them will increase the amount of toe-out.
 - The notch 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.
- 使用1.5mm六角扳手調整前、後輪束角。
 - 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、後輪的傾角。



Front & Rear Camber 前後輪傾斜角調整

- Use a 2.5mm Allen wrench as shown to adjust the front & rear camber.
 - Turning the upper pivot ball clockwise increases camber towards the negative side; turning it counter-clockwise increases camber towards the positive side.
- 使用2.5mm六角扳手調整前、後輪傾斜角（如圖示）。
 - 調整上輪軸球頭順時針旋轉將增加負傾斜角；反之，將增加正傾斜角。
- 請參照本說明調整您愛車前、後輪的傾角。



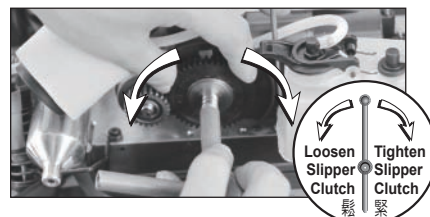
Ride Height 調整車身高度

- The truck ride height can be increased by adding preload clips to the shocks. Removing preload clips will decrease the ride height.
 - Compress the spring and insert the preload clips between the spring collar and the shock body flange.
- 車身高度可利用避震器調整墊片改變。增加調整墊片可增加車高；反之則降低車高。
 - 安裝或拆卸墊片時，請壓縮避震器彈簧再置入或取出墊片即可。



Slipper Clutch 扭力限制器調整

- Use a 7mm nut driver to adjust the slipper clutch.
 - Tighten the slipper nut until the spring is fully compressed.
 - Once you've reached the point where the spring is fully compressed, loosen the slipper nut 1/8turn.
 - Do not run your truck with the slipper nut any looser than 1/8turn from full spring compression. Setting the slipper too loose may result in a damaged spur gear.
- 使用7mm扳手調整扭力限制器。
 - 彈簧完全壓縮後，再將螺帽轉鬆1/8圈。
 - 將螺絲上緊至彈簧完全壓縮。
 - 請勿將固定螺帽鬆脫超過1/8圈，避免造成大主齒損壞。



Shock Springs 避震器彈簧搭配

Stiffer springs will give you better handling and higher cornering speed on smooth surfaces such as asphalt, concrete, and hard pack dirt. Soft springs are better for rougher terrain, rock crawling and jumping. Softer springs will increase the rollover tendency of the truck at higher speeds. 較硬的避震器在平坦堅硬的跑道上（例如柏油路面），將可提供較好的操控性與過彎速度。較軟的避震器適合於崎嶇不平的路面（例如碎石地）以及跳躍動作，並且可以降低翻車的機率。

Part Number	Spring Color	Spring Rate	Relative Stiffness
產品編號	彈簧顏色	彈性係數	相對軟硬度
PD1473	Blue(Std) 藍	4.40 lb./in	Softest 最軟
PD1474	Gold 金	5.10 lb./in	↓
PD1475	Red 紅	5.95 lb./in	
PD1476	Copper 紅銅	6.90 lb./in	Stiffest 最硬

Optional Gearing 齒比搭配

Additional gearing is available for your RTA4 SC Racing Truck. Additional gearing allows you to match your engine and transmission to your driving situation. Bigger gears on the clutch bell (or smaller slipper gears) will result in greater top speed, but will have slower acceleration from a stop (see chart below). If you change the gearing you will need to reset the gear mesh:

- Loosen (or tighten if engine was removed) the four engine mounting bolts located on the underside of the truck until you can just slide the engine forward and backward.
- Slide the engine up to the spur gear until the teeth on the clutch bell are meshed tightly with the teeth on the slipper gear.
- Move the engine back a little bit (1/32" or 0.8mm). Check the mesh by holding the smaller gear with one hand and rocking the bigger gear back and forth with the other. The big gear should rock back and forth slightly with little effort. A gear mesh that is too tight will be noisy, have lower performance and could ruin the gears.

RTA4 SC引擎四驅競賽卡車齒輪比可以依照您的需求選擇搭配。較大的離合器罩齒輪（或是搭配較小的大主齒輪），將會提高您愛車的尾速。但是加速度卻會變弱（可參考下列附表）。若您有變更齒比的需求，您可參照附表建議重新搭配。

- 將車底板上之引擎固定螺絲鬆脫，直到您可自主移動引擎即可。
- 將引擎向上移動，直到離合器罩齒與大主齒輪緊密接合。
- 將引擎向下方移動一點間隙（約0.8mm），並徒手轉動兩個齒輪是否順暢轉動，來調整間隙。若是轉動時齒輪噪音過大表示，齒輪搭配過緊，將會降低引擎性能表現。

Clutch bell gear size 離合器罩齒輪規格	Slipper Gear size 大主齒規格	Final Reduction 1st Gear 第一段齒輪終傳齒比	Final Reduction 2nd gear 第二段齒輪終傳齒比	
23T (Std.) PN1805	46T(TT-Std) PD7215	16.26	11.24	↑ Better Acceleration 加速性能較強
26T PN1808	46T(TT-Std) PD7215	14.38	9.95	↓ Higher Top Speed 尾速較快



TROUBLESHOOTING 常見問題與解決方法

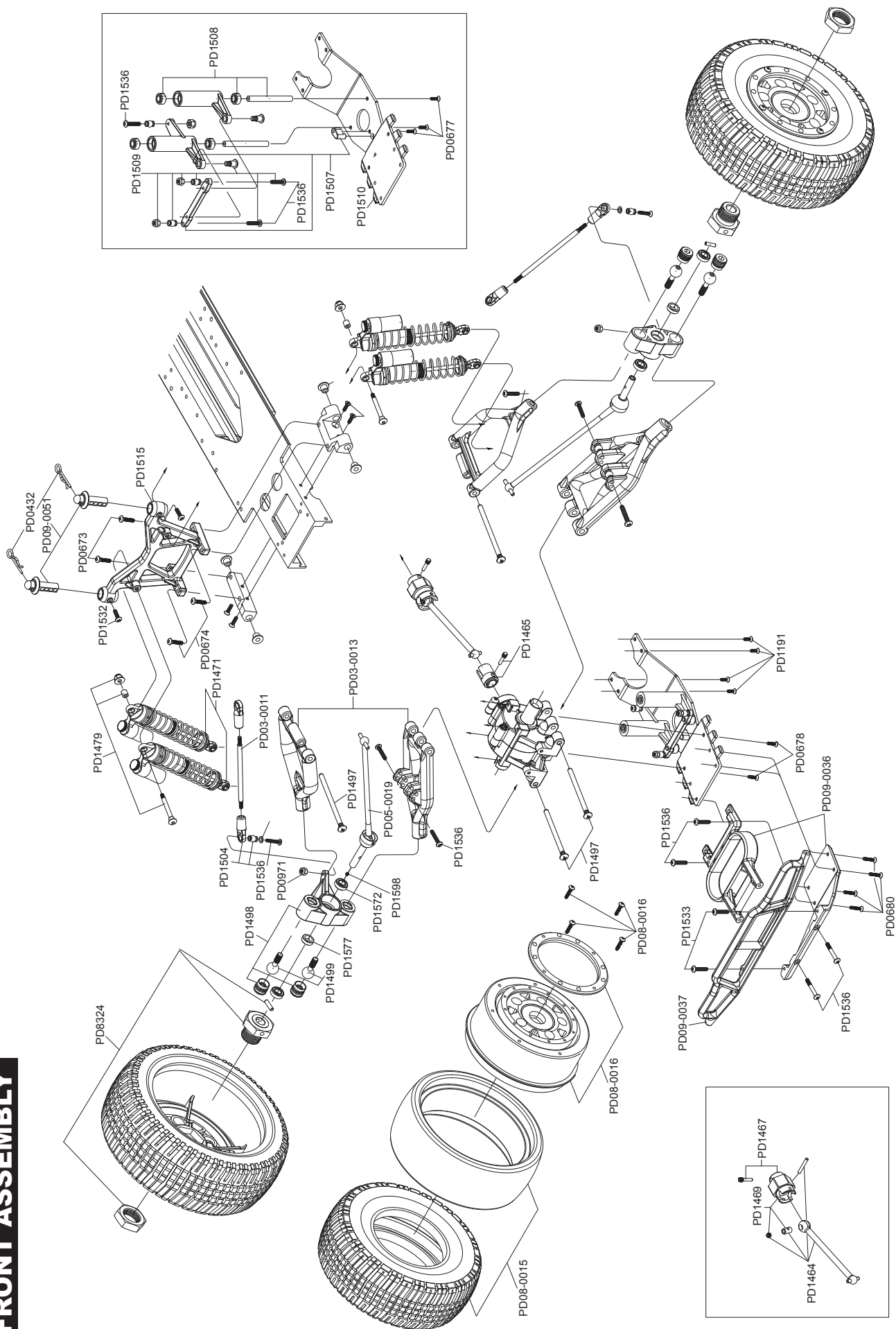
If you have trouble starting or keeping your RTA4 running, here's a quick checklist of what to look for first.

如果您的 RTA4 有行駛上的問題，您可以參考下的說明。

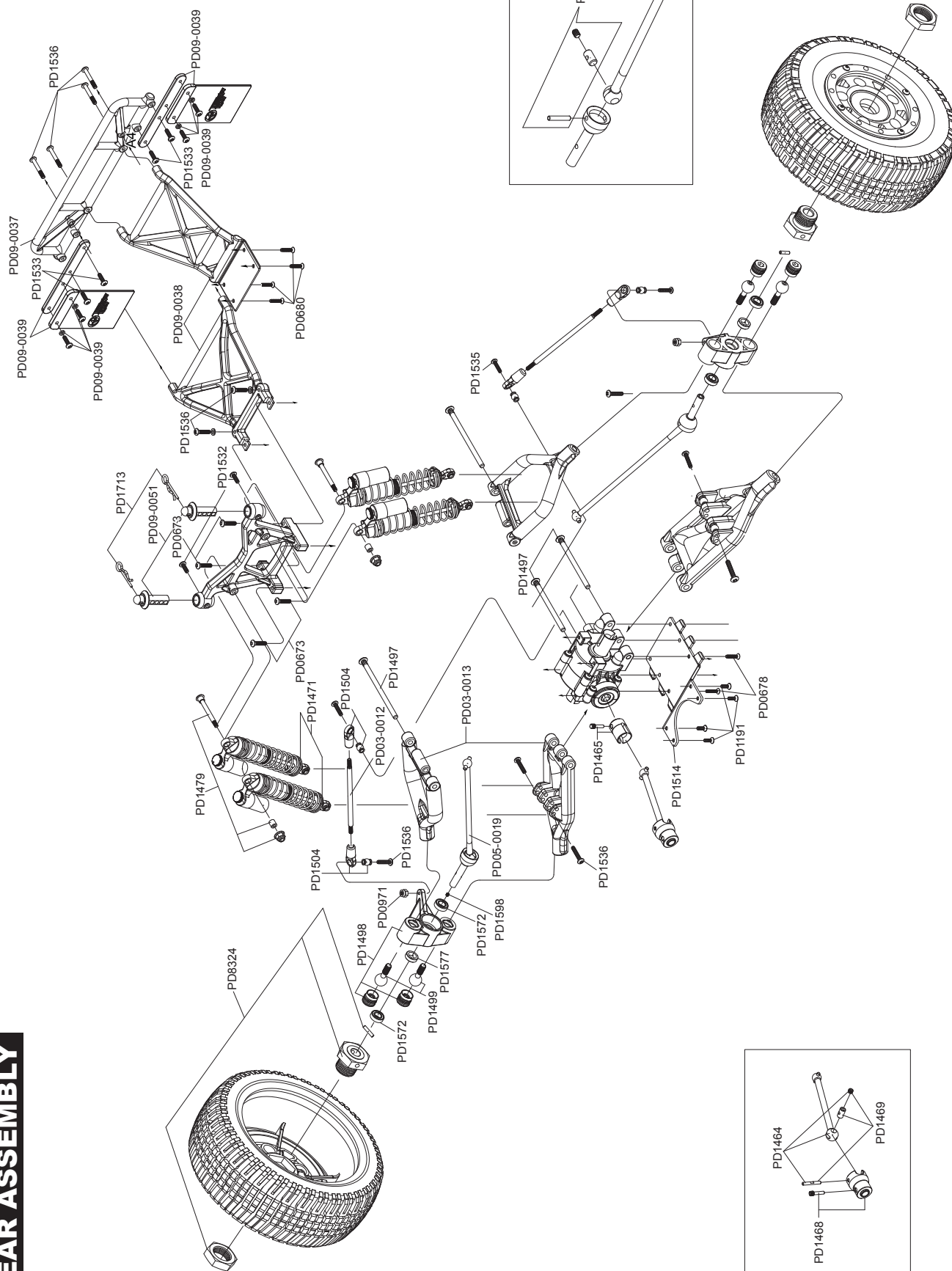
如果問題無法解決，請與購買經銷商聯絡。

Description 問題	Problem 可能原因	Solution 解決方法
Engine will not start 引擎無法啟動	Out of fuel 油箱沒油	Fill fuel tank 加油
	Contaminated fuel 燃油過期	Replace fuel 更換新油
	Glow plug igniter not charged 電夾沒電	Charge glow igniter 請將電夾充電
	Glow plug bad 火星塞故障	Replace glow plug, see "Glow Plug Problems" section below. 更換火星塞
	Fuel not getting to carburetor 燃油未進入化油器	Open and close fuel tank lid twice. 塞住油箱回壓管，拉開並瞬間放開油箱上蓋幾次，將燃油壓進化油器
	Engine flooded 引擎積油	See "Flooding" section below. 將火星塞拆開，進行排油步驟後，再裝回引擎，重新發動
	Engine overheating 引擎過熱	Allow engine to cool, richen fuel mixture, see "Fuel Mixture" section below 待引擎冷卻後，重新調整引擎至富油狀態
	Carburetor incorrectly adjusted 化油器調整不當	Re-adjust carburetor, see "Fuel Mixture" or "Factory Carburetor Settings" section below. 重新調整引擎，參考引擎調整步驟
	Exhaust blocked 排氣不順暢	Check exhaust, remove blockage. 檢查排氣系統，將阻塞物移除
Engine starts, then stalls 引擎容易熄火	Air cleaner blocked 空氣濾清器阻塞	Check air cleaner, remove blockage. 清洗或更換空氣濾棉
	Idle speed set to low 怠速太低	Adjust idle speed screw, see "Fuel Mixture" section below. 將怠速調高
	Air bubbles in fuel line 油管有空氣跑入	Check for leaks in fuel line 檢查漏氣部位予以更換
Hex-Start backplate will not rotate 啟動後蓋無法轉動	Glow plug is fouled 火星塞效率不佳	Replace glow plug, see "Glow Plug Problems" Section below. 更換火星塞
	Engine is flooded 引擎積油	See "Flooding" section below. 將火星塞拆開，進行排油步驟後，再裝回引擎，重新發動
	Engine is seized 引擎卡死	Examine engine for damage 詳細檢查引擎是否損壞

FRONT ASSEMBLY

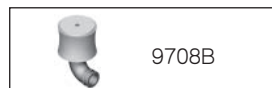


REAR ASSEMBLY



This diagram is a detailed exploded view of a mechanical assembly, likely a pump or motor unit. It shows the relationship between various components, which are labeled with part numbers. The main assembly consists of a central motor or pump housing (PD1480) connected to a drive shaft (PD1490) and a fan or impeller (PD1493). The assembly is mounted on a base (PD1491) and includes various mounting brackets (PD1492, PD1494), fasteners (PD1533, PD1532, PD1531, PD1530, PD1529, PD1528, PD1527, PD1526, PD1525, PD1524, PD1523, PD1522, PD1521, PD1520, PD1519, PD1518, PD1517, PD1516, PD1515, PD1514, PD1513, PD1512, PD1511, PD1510, PD1509, PD1508, PD1507, PD1506, PD1505, PD1504, PD1503, PD1502, PD1501, PD1500, PD1499, PD1498, PD1497, PD1496, PD1495, PD1494, PD1493, PD1492, PD1491, PD1490, PD1489, PD1488, PD1487, PD1486, PD1485, PD1484, PD1483, PD1482, PD1481, PD1480, PD1479, PD1478, PD1477, PD1476, PD1475, PD1474, PD1473, PD1472, PD1471, PD1470, PD1469, PD1468, PD1467, PD1466, PD1465, PD1464, PD1463, PD1462, PD1461, PD1460, PD1459, PD1458, PD1457, PD1456, PD1455, PD1454, PD1453, PD1452, PD1451, PD1450, PD1449, PD1448, PD1447, PD1446, PD1445, PD1444, PD1443, PD1442, PD1441, PD1440, PD1439, PD1438, PD1437, PD1436, PD1435, PD1434, PD1433, PD1432, PD1431, PD1430, PD1429, PD1428, PD1427, PD1426, PD1425, PD1424, PD1423, PD1422, PD1421, PD1420, PD1419, PD1418, PD1417, PD1416, PD1415, PD1414, PD1413, PD1412, PD1411, PD1410, PD1409, PD1408, PD1407, PD1406, PD1405, PD1404, PD1403, PD1402, PD1401, PD1400, PD1399, PD1398, PD1397, PD1396, PD1395, PD1394, PD1393, PD1392, PD1391, PD1390, PD1389, PD1388, PD1387, PD1386, PD1385, PD1384, PD1383, PD1382, PD1381, PD1380, PD1379, PD1378, PD1377, PD1376, PD1375, PD1374, PD1373, PD1372, PD1371, PD1370, PD1369, PD1368, PD1367, PD1366, PD1365, PD1364, PD1363, PD1362, PD1361, PD1360, PD1359, PD1358, PD1357, PD1356, PD1355, PD1354, PD1353, PD1352, PD1351, PD1350, PD1349, PD1348, PD1347, PD1346, PD1345, PD1344, PD1343, PD1342, PD1341, PD1340, PD1339, PD1338, PD1337, PD1336, PD1335, PD1334, PD1333, PD1332, PD1331, PD1330, PD1329, PD1328, PD1327, PD1326, PD1325, PD1324, PD1323, PD1322, PD1321, PD1320, PD1319, PD1318, PD1317, PD1316, PD1315, PD1314, PD1313, PD1312, PD1311, PD1310, PD1309, PD1308, PD1307, PD1306, PD1305, PD1304, PD1303, PD1302, PD1301, PD1300, PD1299, PD1298, PD1297, PD1296, PD1295, PD1294, PD1293, PD1292, PD1291, PD1290, PD1289, PD1288, PD1287, PD1286, PD1285, PD1284, PD1283, PD1282, PD1281, PD1280, PD1279, PD1278, PD1277, PD1276, PD1275, PD1274, PD1273, PD1272, PD1271, PD1270, PD1269, PD1268, PD1267, PD1266, PD1265, PD1264, PD1263, PD1262, PD1261, PD1260, PD1259, PD1258, PD1257, PD1256, PD1255, PD1254, PD1253, PD1252, PD1251, PD1250, PD1249, PD1248, PD1247, PD1246, PD1245, PD1244, PD1243, PD1242, PD1241, PD1240, PD1239, PD1238, PD1237, PD1236, PD1235, PD1234, PD1233, PD1232, PD1231, PD1230, PD1229, PD1228, PD1227, PD1226, PD1225, PD1224, PD1223, PD1222, PD1221, PD1220, PD1219, PD1218, PD1217, PD1216, PD1215, PD1214, PD1213, PD1212, PD1211, PD1210, PD1209, PD1208, PD1207, PD1206, PD1205, PD1204, PD1203, PD1202, PD1201, PD1200, PD1199, PD1198, PD1197, PD1196, PD1195, PD1194, PD1193, PD1192, PD1191, PD1190, PD1189, PD1188, PD1187, PD1186, PD1185, PD1184, PD1183, PD1182, PD1181, PD1180, PD1179, PD1178, PD1177, PD1176, PD1175, PD1174, PD1173, 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PD911, PD910, PD909, PD908, PD907, PD906, PD905, PD904, PD903, PD902, PD901, PD900, PD899, PD898, PD897, PD896, PD895, PD894, PD893, PD892, PD891, PD890, PD889, PD888, PD887, PD886, PD885, PD884, PD883, PD882, PD881, PD880, PD879, PD878, PD877, PD876, PD875, PD874, PD873, PD872, PD871, PD870, PD869, PD868, PD867, PD866, PD865, PD864, PD863, PD862, PD861, PD860, PD859, PD858, PD857, PD856, PD855, PD854, PD853, PD852, PD851, PD850, PD849, PD848, PD

RTA4 RACING TRUCK SPARE PARTS LIST 零件表



9708B
AIR FILTER, 21 BLACK
空氣濾清器(黑)



AA1813
FLYWHEEL SHIM (0.5mm)
飛輪墊片(0.5mm)



AD2555
FLYWHEEL COLLET, 21
飛輪固定座



PD01-0008
CLUTCH HARDWARE
離合器罩配件



PD01-0010
CLUTCH BELL, 23T
離合器罩, 23T



PD01-0012
CLUTCH SHOES(4)
離合器甩片(4)



PD02-0014
CTR TRANSMISSION CASE
齒輪箱本體



PD02-0015
GEAR BOX SET, MTA SPT
齒輪箱組



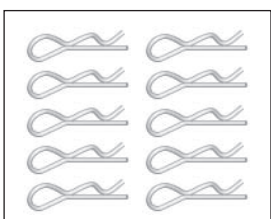
PD03-0011
TURNBUCKLE
前轉向拉桿



PD03-0012
TURNBUCKLE, M4x82
後轉座固定拉桿



PD03-0013
SUSPN ARMS
擺臂組



PD0432
BODY CLIPS
R型扣環



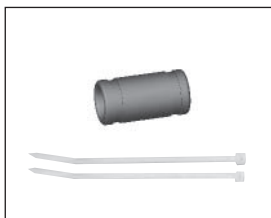
PD05-0019
BALL TYPE UNIVERSAL
萬象傳動軸



PD08-0015
TIRES
輪胎



PD08-0016
WHEELS
輪轂



PD0871
COUPLER TUBE
加速管接頭零件包



PD09-0036
FR BUMPER & BRACE
前防撞板固定架



PD09-0037
FR & RR BUMPER
保險桿組



PD09-0038
RR BUMPER & BRACE
後防險桿 & 支架



PD09-0039
MUD PAD SET
擋泥板



PD09-0051
BODY SUPPORT
車殼支柱



PD10-0034-L
PRINTED BODY (L)
完成車殼(L)



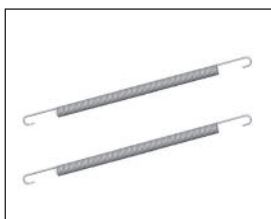
PD10-0034-R
PRINTED BODY (R)
完成車殼(R)



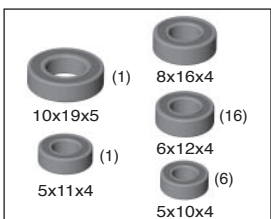
PD10-0034-Y
PRINTED BODY (Y)
完成車殼(Y)



PD10-0036
CLEAR BODY W/D
透明車殼附貼紙



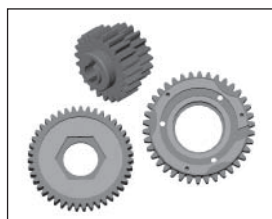
PD1227
MANIFOLD SPRING
排氣管固定彈簧



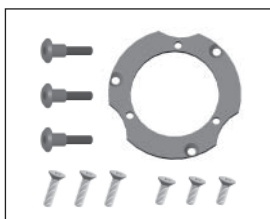
PD1436
BEARING SET
軸承組



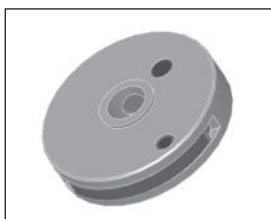
PD1437
2 SPD ONE WAY HUB
單向軸承



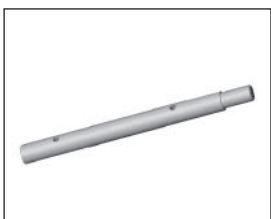
PD1438
2 SPD MAIN GEARS
齒輪組



PD1439
SUPPORT PIN & RING,
固定板 & 銷



PD1440
2 SPD CLUTCH HUB
變速甩片座組

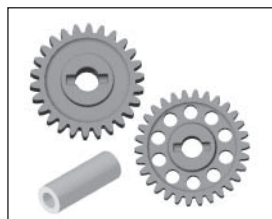


PD1441
2 SPD SHAFT
變速軸

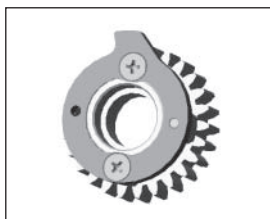
RTA4 RACING TRUCK SPARE PARTS LIST 零件表



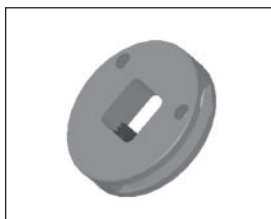
PD1442
CTR TRANS SHIM & CLIP
E型扣環 & 墊片



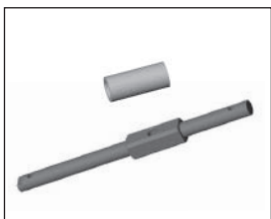
PD1444
FWD/REV DRIVE GEARS
齒輪



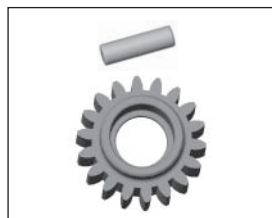
PD1446
FWD/REV SHIFT GEARS
最終齒輪組



PD1447
FWD/REV CLUTCH HUB
定位甩片座組



PD1448
FWD/REV MAIN SHAFT
動力輸出軸



PD1449
REV IDLE GEAR & SHAFT
惰輪軸



PD1450
SHIFT LEVER
撥叉組



PD1451
REV GEAR/SHIFT FORK MNT
惰輪 & 撥叉固定板



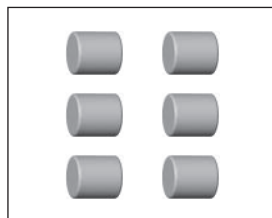
PD1452
BEVEL GEAR SET
傘齒輪



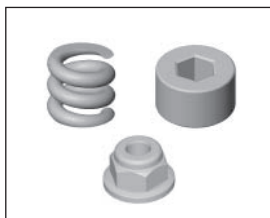
PD1453
SLIPPER SHAFT
主軸



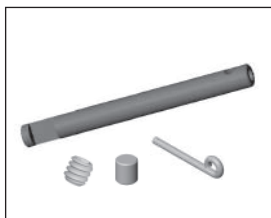
PD1454
SLIPPER HUB
摩擦座



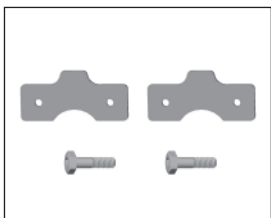
PD1457
SLIPPER FRICTION PEGS
摩擦子



PD1458
SLIPPER HARDWARE
滑動套件



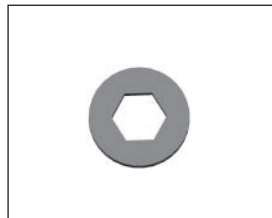
PD1461
BRAKE CAM & HARDWARE
煞車凸輪件



PD1462
BRAKE PADS & SCREWS
煞車夾片



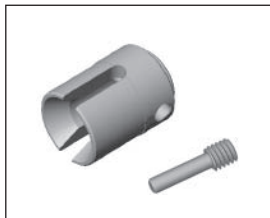
PD1455
SLIPPER RING
摩擦盤



PD1463
BRAKE DISCS
煞車片



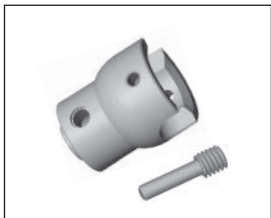
PD1464
F/R DRIVE CVA
前/後中央萬象傳動軸



PD1465
F/R DRIVE INPUT CUP
中央傳動軸套組



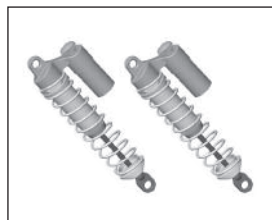
PD1467
F DRIVE/DISC BRAKE HUB
六角形傳動軸套



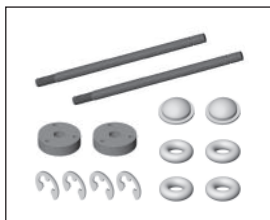
PD1468
REAR DRIVE OUTPUT CUP
傳動軸套



PD1469
F/R CVA REBULID KIT
中央萬象傳動軸接合套件



PD1471
ASSEMBLED SHOCK(2)
避震器組(2sets)



PD1472
ASSEMBLED SHOCK(2)
避震器維修零件



PD1473
SHOCK SPRING(4), BL
避震器彈簧(藍色)



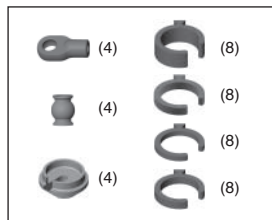
PD1475
SHOCK SPRING(4), RED
避震器彈簧(紅色)



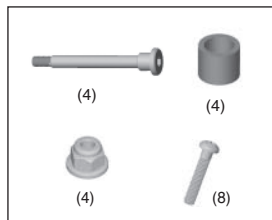
PD1474
SHOCK SPRING(4), GL
避震器彈簧(金色)



PD1476
SHOCK SPRING(4), CU
避震器彈簧(銅色)



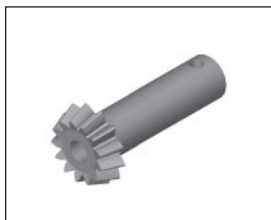
PD1478
SHOCK ENDS
避震器配件



PD1479
SHOCK TOP MOUNTS
避震器鎖付配件



PD1480
FUEL TANK
油箱組

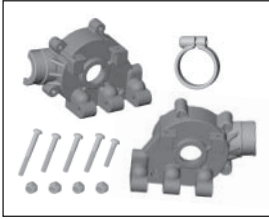


PD1481
DIFF SHAFT/PINION
傳動小斜齒輪



PD1482
DIFF SET
差速器組

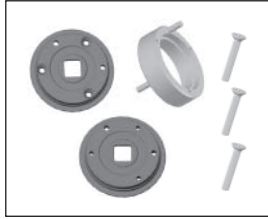
RTA4 RACING TRUCK SPARE PARTS LIST 零件表



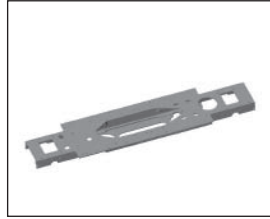
PD1483
DIFF CASE/BULKHEAD
差速箱本體



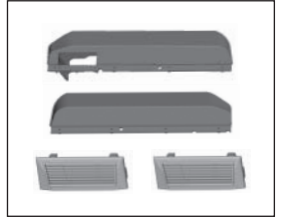
PD1487
ORING, TUBE & OUTLET
O型環, 接頭及排氣管



PD1488
FWD/REV CLUTCH HOU.
驅動輪組



PD1489
CHASSIS
車底板



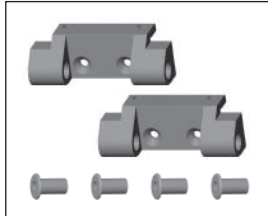
PD1490
CHASSIS GUARD & COVER
側板 & 檔板



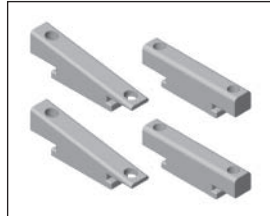
PD1491
ROLL BAR
保護架



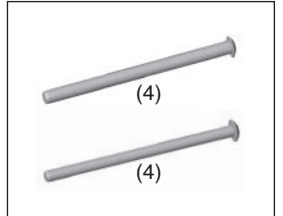
PD1492
ROLL BAR MOUNTS
保護架支座



PD1493
UP SUSP. ARM MOUNTS
上擺臂固定座



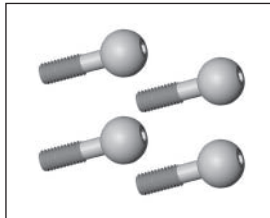
PD1494
FR BULK/CHASSIS MOUNT
前/後差速箱墊片



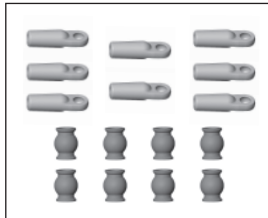
PD1497
SUSP. HINGE PIN SET
擺臂固定銷



PD1498
KNUCKLE/HUB
轉向座組



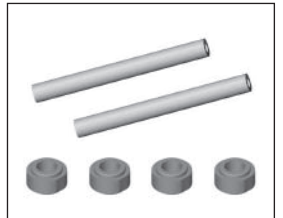
PD1499
ADJUST BALL (4), 10.8mm
擺臂球頭



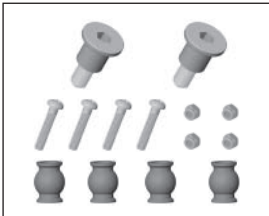
PD1504
F/R TURNBUCKLE END
前/後球頭連桿組



PD1507
BELLCRANK PL. PARTS
轉向搖臂塑件



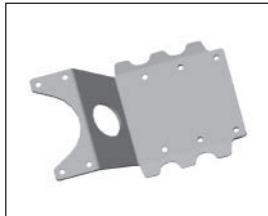
PD1508
BELLCRANK POST & BUSH.
轉向柱 & 塑膠軸承



PD1509
BELLCRANK HARDWARE
轉向配件



PD1510
FR SKID PLATE
前差速箱補強板



PD1514
RR SKID PLATE
後差速箱補強板



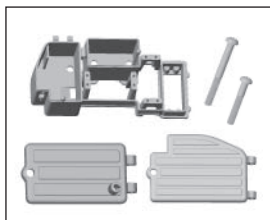
PD1515
FR SHOCK TOWER
前避震器支架



PD1516
RR SHOCK TOWER
後避震器支架



PD1520
ENGINE MOUNT
引擎固定座



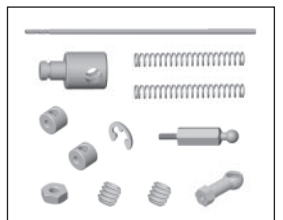
PD1524
RADIO TRAY
伺服機固定座



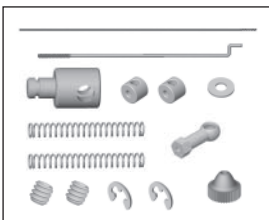
PD1525
SERVO SAVER
伺服機緩衝組



PD1526
SERVO HORNS
伺服機轉向臂



PD1527
GEAR SHIFT LINKAGE
倒轉拉桿組



PD1528
THRO./BRAKE LINKAGE
油門 & 煞車拉桿組



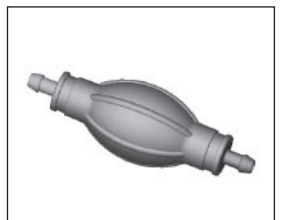
BALL BEARING(2), d10xD19xW5
軸承組(2), d10xD19xW5



BALL BEARING(2), d6xD12xW4
軸承組(2), d6xD12xW4



BALL BEARING(2), d5xD10xW4
軸承組(2), d5xD10xW4



PD1594
FUEL PRIMER PUMP
注油器



BALL BEARING(2), d8xD16xW5
軸承組(2), d8xD16xW5

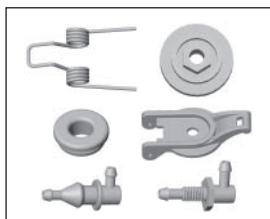


BALL BEARING(2), d5xD11xW4
軸承組(2), d5xD11xW4



AXLE BEARING SAPCER
輪軸軸環組

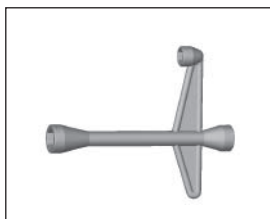
RTA4 RACING TRUCK SPARE PARTS LIST 零件表



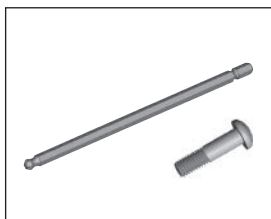
PD1650
FUEL TANK ACC
油箱配件組



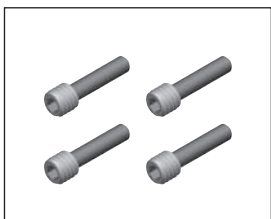
1116
5-WAY SOCKET TOOL
五向十字扳手組



PD1714
NUT WRENCH, 5.5/7/8mm
十字扳手



PD1715
BALL HEX DRIVE SHAFT, 6mm
啟動棒



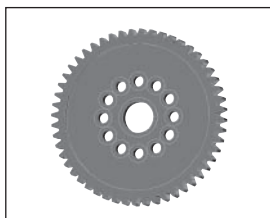
PD1740
DRIVE CUP SET SCREW
驅動軸套固定螺栓



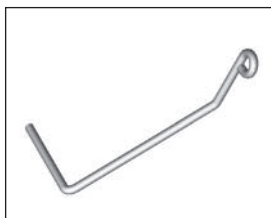
PD1743
MGT SHOCK BODY AND CAP
避震器套筒零件包



PD1749
MGT DIFFERENTIAL OUTDRIVES AND GASKETS
傳動軸套 & 墊片



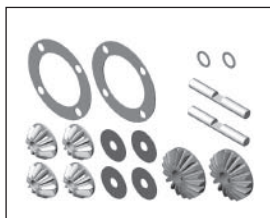
PD1755
SPUR GEAR, 46T
主齒輪, 46T



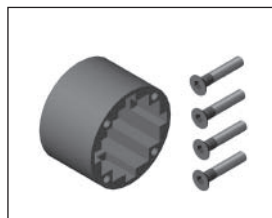
PD6336
MUFFLER MOUNT WIRE/R
消音器固定桿(後)



PD6340
2SPEED PINON & SHAFT SET
兩段驅動齒輪 & 軸



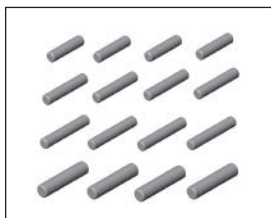
PD6341
DIFF GEARS
差速器齒輪組



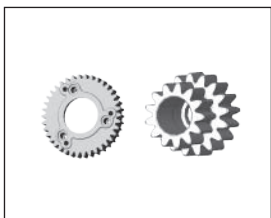
PD6342
DIFF HOUSING
差速器外殼



PD6343
DIFF SPUR
差速器傳動斜齒輪



PD6344
CTR TRANS PINS
插銷



PD6346
2 SPD DRIVE/MAIN GEARS
齒輪組



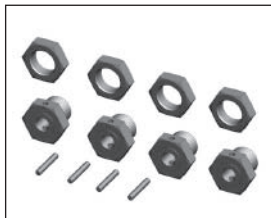
PD6347
DRIVE PINION SHAFT
驅動軸



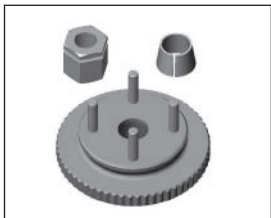
PD6349
MANIFOLD
排氣彎管



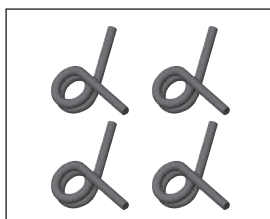
PD7237
UNIV.REBUILD KIT
萬象結合套件



PD8324
WHEEL HEX DRIVE(4)
六角輪轂轉換器



PN1801
FLYWHEEL SET, AL SHOES C
飛輪組, 甩片式



PN1811
ENGINE MOUNT
CLUTCH SPRING



PD0670 M3x14mm(20)
PD0673 M3x20mm(20)
PD0674 M3x22mm(20)
PD1035 M3x10mm(20)
BT H.M SCREW
圓頭內六角螺絲



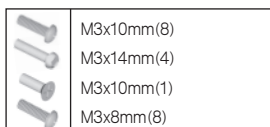
PD0961 M3x3mm(20)
PD0962 M4x3mm(20)
PD1565 M4x5mm(20)
PD1566 M4x8mm(20)
PD1598 M4x4mm(20)
SET SCREW
無頭內六角螺絲



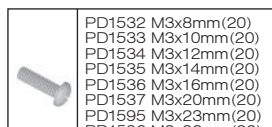
PD0976 2mm(20)
PD1045 5mm(20)
PD1569 2.5mm(20)
E-CLIP
E型扣環



PD1191 M3x8mm(20)
PD1192 M3x10mm(20)
PD1547 M2x6mm(20)
PD1548 M2x8mm(20)
PD1550 M2.6x16mm(20)
PD1711 M2.6x12mm(20)
CT P.M. SCREW
平頭十字螺絲



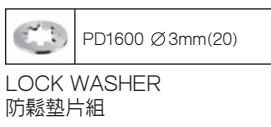
PD1460
CTR TRANS CASE SCREWS
齒輪箱螺絲



PD1532 M3x8mm(20)
PD1533 M3x10mm(20)
PD1534 M3x12mm(20)
PD1535 M3x14mm(20)
PD1536 M3x16mm(20)
PD1537 M3x20mm(20)
PD1595 M3x23mm(20)
PD1596 M3x32mm(20)
PD1599 M3x30mm(20)
BT P.M. SCREW
圓頭十字螺絲



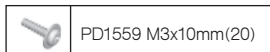
PD1593 M3x22mm(20)
LOCK NUT
止鬆螺帽



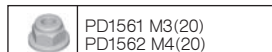
PD1600 Ø3mm(20)
LOCK WASHER
防鬆墊片組



PD1710 Ø15mm(20)
C-CLIP
C型扣環組



PD1559 M3x10mm(20)
BTW P.T. SCREW
墊圈自攻螺絲

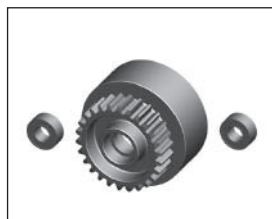


PD1561 M3(20)
PD1562 M4(20)
LOCK NUT, FLANGE
尼龍墊圈螺帽

RTA4 RACING TRUCK OPTIONAL PARTS LIST 選購零件表



AA2110-R
CYLINDER HEAD, 28B (R)
汽缸蓋(紅)



PD01-0011
CLUTCH BELL, 26T
離合器罩, 26T



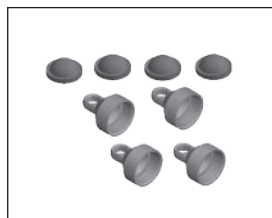
PD1301 AL LOCK NUT/BLUE, M3
PD1304 AL LOCK NUT/BLUE, M4
PD1761 AL LOCK NUT/BLUE, M5
止鬆螺帽零件包(藍)



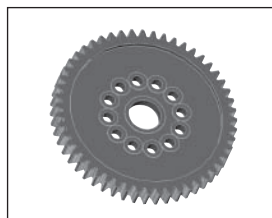
PD1582
SERVO SAVER, HITECH
轉向伺服機臂, HITECH



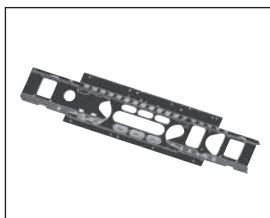
PD1583
SERVO SAVER, JR
轉向伺服機臂, JR



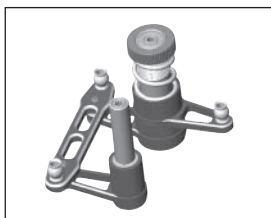
PD1741
SHOCK CAPS
金屬避震器上蓋



PD1754
SPUR GEAR, 49T
主齒輪, 49T



PD1759
OPT CHASSIS (BLUE)
OPT 車底板



PD1762
OPT STEERING KIT
伺服緩衝組套件



PD1763
OPT. STEERING RACK/ARM
轉向曲柄/搖臂組



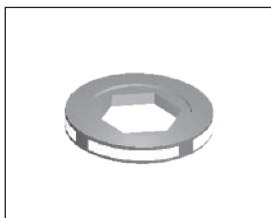
PD1764
SERVO SAVER HUB/SPRING
轉向固定座/彈簧組



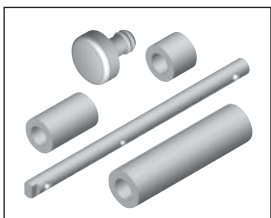
PD1765
OPT STEERING HARDWARE
轉向墊片螺絲組



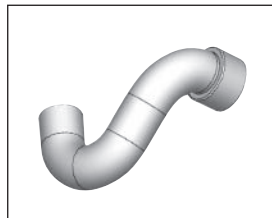
PD1767
AL SHOCK BODIES
金屬避震器套筒



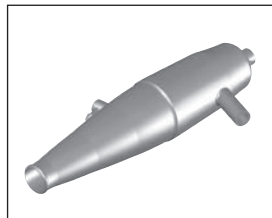
PD1771
OPT BRAKE DISC
OPT 煞車片



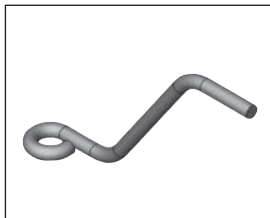
PD1774
NO REVERSE KIT
單向前進套件組



PD6325
MANIFOLD, SIDE
彎管, 側置



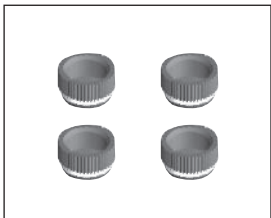
PD6331
MUFFLER, SIDE
側置消音器



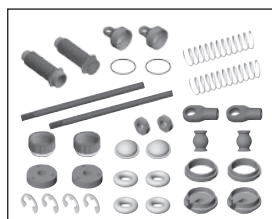
PD6332
SIDE EXHAUST WIRE
消音器固定桿



PD6337
STEERING BUSHING (4)
緩衝搖臂軸套



PD6338
SHOCK BOTTOM
金屬避震器下蓋



PD6339
METAL SHOCK SET
金屬避震器組



PN1806
AL CLUTCH SHOES (4)
離合器甩片(4)

RTA4 SPARE PARTS LIST 零件表

PART#	DESCRIPTION	中文名稱
1116	5-WAY SOCKET TOOL	五向十字扳手組
9708B	AIR FILTER, 21 (BLACK)	空氣濾清器(黑)
AA1813	FLYWHEEL SHIM (0.5mm)	飛輪墊片(0.5mm)
AD2555	FLYWHEEL COLLET, 21	飛輪固定座
PD01-0008	CLUTCH HARDWARE	離合器罩配件
PD01-0010	CLUTCH BELL, 23T	離合器罩, 23T
PD01-0012	CLUTCH SHOES (4)	離合器甩片(4)
PD02-0014	CTR TRANSMISSION CASE	齒輪箱本體
PD02-0015	GEAR BOX SET	齒輪箱組
PD03-0011	TURNBUCKLE	前轉向拉桿
PD03-0012	TURNBUCKLE, M4x82	後轉座固定拉桿
PD03-0013	SUSPN ARMS	擺臂組
PD0432	BODY CLIPS	R型扣環
PD05-0019	BALL TYPE UNIVERSAL	萬象傳動軸
PD0670	BT H.M SCREW(20), M3x14	圓頭內六角螺絲(20), M3x14
PD0673	BT H.M SCREW(20), M3x20	圓頭內六角螺絲(20), M3x20
PD0674	BT H.M SCREW(20), M3x22	圓頭內六角螺絲(20), M3x22
PD0677	CT H.M SCREW(20), M3x8	平頭內六角螺絲(20), M3x8
PD0678	CT H.M SCREW(20), M3x10	平頭內六角螺絲(20), M3x10
PD0680	CT H.M SCREW(20), M3x14	平頭內六角螺絲(20), M3x14
PD0681	CT H.M SCREW(20), M3x16	平頭內六角螺絲(20), M3x16
PD08-0015	TIRES	輪胎
PD08-0016	WHEELS	輪轂
PD0871	COUPLER TUBE	加速管接頭零件包
PD09-0036	FR BUMPER & BRACE	前防撞板固定架
PD09-0037	FR & RR BUMPER	保險桿組
PD09-0038	RR BUMPER & BRACE	後防險桿 & 支架
PD09-0039	MUD PAD SET	擋泥板
PD09-0051	BODY SUPPORT	車殼支柱
PD0961	SET SCREW(20), M3x3	無頭內六角螺絲(20), M3x3
PD0962	SET SCREWS(20), M4x3	無頭內六角螺絲(20), M4x3
PD0971	LOCK NUT(20), M3	止鬆螺帽組(20), M3
PD0976	E-CLIP(20), 2mm	E型扣環(20), 2mm
PD10-0034-L	PRINTED BODY (L)	完成車殼(L)
PD10-0034-R	PRINTED BODY (R)	完成車殼(R)
PD10-0034-Y	PRINTED BODY (Y)	完成車殼(Y)
PD10-0036	CLEAR BODY W/D	透明車殼附貼紙
PD1035	BT H.M SCREW(20), M3x10	半圓頭內六角螺絲(20), M3x10
PD1045	E-CLIP(20), 5mm	E型扣環組(20), 5mm
PD1191	CT P.M. SCREW(20), M3x8	平頭十字螺絲(20), M3x8
PD1192	CT P.M. SCREW(20), M3x10	平頭十字螺絲(20), M3x10
PD1194	SK H.M SCREW(20), M3x14	內六角螺絲(20), M3x14
PD1227	MANIFOLD SPRING	排氣管固定彈簧
PD1339	SK H.M SCREW(20), M3x20	內六角螺絲(20), M3x20
PD1436	BEARING SET	軸承組
PD1437	2 SPD ONE WAY HUB	單向軸承
PD1438	2 SPD MAIN GEARS	齒輪組
PD1439	SUPPORT PIN & RING	固定板 & 銷
PD1440	2 SPD CLUTCH HUB	變速甩片座組
PD1441	2 SPD SHAFT	變速軸
PD1442	CTR TRANS SHIM & CLIP	E型扣環 & 墊片
PD1444	FWD/REV DRIVE GEARS	齒輪
PD1446	FWD/REV SHIFT GEARS	最終齒輪組
PD1447	FWD/REV CLUTCH HUB	定位甩片座組
PD1448	FWD/REV MAIN SHAFT	動力輸出軸
PD1449	REV IDLE GEAR & SHAFT	惰輪軸
PD1450	SHIFT LEVER	撥叉組
PD1451	REV GEAR/SHIFT FORK MNT	惰輪 & 撥叉固定板
PD1452	BEVEL GEAR SET	傘齒輪
PD1453	SLIPPER SHAFT	主軸
PD1454	SLIPPER HUB	摩擦座
PD1455	SLIPPER RING	摩擦盤

PART#	DESCRIPTION	中文名稱
PD1457	SLIPPER FRICTION PEGS	摩擦子
PD1458	SLIPPER HARDWARE	滑動套件
PD1460	CTR TRANS CASE SCREWS	齒輪箱螺絲
PD1461	BRAKE CAM & HARDWARE	煞車凸輪件
PD1462	BRAKE PADS & SCREWS	煞車夾片
PD1463	BRAKE DISCS	煞車片
PD1464	F/R DRIVE CVA	前/後中央萬象傳動軸
PD1465	F/R DRIVE INPUT CUP	中央傳動軸套組
PD1467	F DRIVE/DISC BRAKE HUB	六角形傳動軸套
PD1468	REAR DRIVE OUTPUT CUP	傳動軸套
PD1469	F/R CVA REBULID KIT	中央萬象傳動軸接合套件
PD1471	ASSEMBLED SHOCK(2)	避震器組(2sets)
PD1472	SHOCK REBUILD KIT(2)	避震器維修零件
PD1473	SHOCK SPRING(4), BL	避震器彈簧(藍色)
PD1474	SHOCK SPRING(4), GL	避震器彈簧(金色)
PD1475	SHOCK SPRING(4), RED	避震器彈簧(紅色)
PD1476	SHOCK SPRING(4), CU	避震器彈簧(銅色)
PD1478	SHOCK ENDS	避震器配件
PD1479	SHOCK TOP MOUNTS	避震器鎖付配件
PD1480	FUEL TANK	油箱組
PD1481	DIFF SHAFT/PINION	傳動小斜齒輪
PD1482	DIFF SET	差速器組
PD1483	DIFF CASE/BULKHEAD	差速箱本體
PD1487	ORING, TUBE & OUTLET	O型環, 接頭及排氣管
PD1488	FWD/REV CLUTCH HOU.	驅動輪組
PD1489	CHASSIS	車底板
PD1490	CHASSIS GUARD & COVER	側板 & 檔板
PD1491	ROLL BAR	保護架
PD1492	ROLL BAR MOUNTS	保護架支座
PD1493	UP SUSP. ARM MOUNTS	上擺臂固定座
PD1494	FR BULK/CHASSIS MOUNT	前/後差速箱墊片
PD1497	SUSP. HINGE PIN SET	擺臂固定銷
PD1498	KNUCKLE/HUB,MTA4	轉向座組
PD1499	ADJUST BALL(4), 10.8mm	擺臂球頭
PD1504	F/R TURNBUCKLE END	前/後球頭連桿組
PD1507	BELLCRANK PL. PARTS	轉向搖臂塑件
PD1508	BELLCRANK POST & BUSH.	轉向柱 & 塑膠軸承
PD1509	BELLCRANK HARDWARE	轉向配件
PD1510	FR SKID PLATE	前差速箱補強板
PD1514	RR SKID PLATE	後差速箱補強板
PD1515	FR SHOCK TOWER	前避震器支架
PD1516	RR SHOCK TOWER	後避震器支架
PD1520	ENGINE MOUNT	引擎固定座
PD1524	RADIO TRAY	伺服機固定座
PD1525	SERVO SAVER	伺服機緩衝組
PD1526	SERVO HORNS	伺服機轉向臂
PD1527	GEAR SHIFT LINKAGE	倒轉拉桿組
PD1528	THRO./BRAKE LINKAGE	油門 & 煞車拉桿組
PD1532	BT P.M. SCREW(20), M3x8	圓頭十字螺絲(20), M3x8
PD1533	BT P.M. SCREW(20), M3x10	圓頭十字螺絲(20), M3x10
PD1534	BT P.M. SCREW(20), M3x12	圓頭十字螺絲(20), M3x12
PD1535	BT P.M. SCREW(20), M3x14	圓頭十字螺絲(20), M3x14
PD1536	BT P.M. SCREW(20), M3x16	圓頭十字螺絲(20), M3x16
PD1537	BT P.M. SCREW(20), M3x20	圓頭十字螺絲(20), M3x20
PD1543	SK H.M SCREW(20), M3x18	內六角螺絲(20), M3x18
PD1545	SK H.M SCREW(20), M3.5x10	內六角螺絲(20), M3.5x10
PD1546	SK H.M SCREW(20), M5x10	扁圓盤內六角螺絲(20), M5x10
PD1547	CT P.M. SCREW(20), M2x6	平頭十字螺絲(20), M2x6
PD1548	CT P.M. SCREW(20), M2x8	平頭十字螺絲(20), M2x8
PD1550	CT P.M. SCREW(20), M2.6x16	平頭十字螺絲(20), M2.6x16
PD1559	BTW P.T. SCREW(20), M3x10	墊圈自攻螺絲(20), M3x10
PD1561	LOCK NUT(20), FLANGE M3	尼龍墊圈螺帽

RTA4 SPARE PARTS LIST 零件表

PART#	DESCRIPTION	中文名稱
PD1562	LOCK NUT(20), FLANGE M4	凸緣止鬆螺帽
PD1563	LOCK NUT(20), FLANGE M5	尼龍墊圈螺帽
PD1565	SET SCREW(20), 4x5mm	無頭內六角螺絲(20), 4x5mm
PD1566	SET SCREW(20), 4x8mm	無頭內六角螺絲(20), 4x8mm
PD1569	E-CLIP(20), 2.5mm	E型扣環(20), 2.5mm
PD1570	BALL BEARING(2), d10xD19xW5	軸承組(2), d10xD19xW5
PD1571	BALL BEARING(2), d8xD16xW5	軸承組(2), d8xD16xW5
PD1572	BALL BEARING(2), d6xD12xW4	軸承組(2), d6xD12xW4
PD1573	BALL BEARING(2), d5xD11xW4	軸承組(2), d5xD11xW4
PD1574	BALL BEARING(2), d5xD10xW4	軸承組(2), d5xD10xW4
PD1577	AXLE BEARING SAPCER	輪軸軸環組
PD1593	SHOULDER SCREW(20), M3x22	半牙圓頭十字螺絲組(20), M3x22
PD1594	FUEL PRIMER PUMP	注油器
PD1595	BT H.M SCREW(20), M3x23	圓頭十字螺絲(20), M3x23
PD1596	BT H.M SCREW(20), M3x32	圓頭十字螺絲(20), M3x32
PD1597	NUT(20), M2	六角螺帽(20), M2
PD1598	SET SCREWS(20), M4x4	無頭內六角螺絲(20), M4x4
PD1599	BT H.M SCREW(20), M3x30	圓頭十字螺絲(20), M3x30
PD1600	LOCK WASHER(20), 5mm	防鬆墊片組, 3mm
PD1649	WASHER(20), 5mm	墊片組, 5mm
PD1650	FUEL TANK ACC	油箱配件組
PD1709	WASHER(20), 3mm	墊片組(20), 3mm
PD1710	C-CLIP(20), 15mm	C型扣環組(20), 15mm

PART#	DESCRIPTION	中文名稱
PD1711	CT P.M SCREW(20), M2.6x12	平頭十字螺絲組(20), M2.6x12
PD1712	BT P.T. SCREW(20), M2.6x8	圓頭十字自攻螺絲(20), M2.6x8
PD1714	NUT WRENCH, 5.5/7/8mm	十字扳手
PD1715	BALL HEX DRIVE SHAFT, 6mm	啟動棒
PD1740	DRIVE CUP SET SCREW	驅動軸套固定螺栓
PD1743	MGT SHOCK BODY AND CAP	避震器套筒零件包
PD1749	MGT DIFFERENTIAL OUTDRIVES AND GASKETS	傳動軸套 & 墊片
PD1755	SPUR GEAR, 46T	主齒輪, 46T
PD6336	MUFFLER MOUNT WIRE/R	消音器固定桿(後)
PD6340	2SPEED PINON & SHAFT SET	兩段驅動齒輪 & 軸
PD6341	DIFF GEARS	差速器齒輪組
PD6342	DIFF HOUSING	差速器外殼
PD6343	DIFF SPUR	差速器傳動斜齒輪
PD6344	CTR TRANS PINS	插銷
PD6346	2 SPD DRIVE/MAIN GEARS	齒輪組
PD6347	DRIVE PINION SHAFT	驅動軸
PD6349	MANIFOLD	排氣管
PD6350	MUFFLER	消音器
PD7237	UNIV.REBUILD KIT	萬象結合套件
PD8324	WHEEL HEX DRIVE(4)	六角輪殼轉換器
PN1801	FLYWHEEL SET, AL SHOES C	飛輪組, 甩片式
PN1811	CLUTCH SPRING	4片式離合器彈簧

RTA4 OPTIONAL PARTS LIST 選購零件表

PART#	DESCRIPTION	中文名稱
AA2110-R	CYLINDER HEAD, 28B (R)	汽缸蓋(紅)
PD01-0011	CLUTCH BELL, 26T	離合器罩, 26T
PD1301	AL LOCK NUT/BLOCK, M3	止鬆螺帽零件包(藍)
PD1304	AL LOCK NUT/BLOCK, M4	止鬆螺帽零件包(藍)
PD1582	SERVO SAVER, HITECH	轉向伺服機臂, HITECH
PD1583	SERVO SAVER, JR	轉向伺服機臂, JR
PD1741	SHOCK CAPS	金屬避震器上蓋
PD1754	SPUR GEAR, 49T	主齒輪, 49T
PD1759	OPT CHASSIS/BLUE	OPT 車底板
PD1761	AL LOCK NUT/BLOCK, M5	止鬆螺帽(藍色), M5
PD1762	OPT STEERING KIT	伺服緩衝組套件
PD1763	OPT. STEERING RACK/ARM	轉向曲柄/搖臂組

PART#	DESCRIPTION	中文名稱
PD1764	SERVO SAVER HUB/SPRING	轉向固定座/彈簧組
PD1765	OPT STEERING HARDWARE	轉向墊片螺絲組
PD1767	AL SHOCK BODIES	金屬避震器套筒
PD1771	OPT BRAKE DISC	OPT煞車片
PD1774	NO REVERSE KIT	單向前進套件組
PD6325	MANIFOLD, SIDE	彎管, 側置
PD6331	MUFFLER, SIDE	側置消音器
PD6332	SIDE EXHAUST WIRE	消音器固定桿
PD6337	STEERING BUSHING (4)	緩沖搖臂軸套
PD6338	SHOCK BOTTOM	金屬避震器下蓋
PD6339	METAL SHOCK SET	金屬避震器組
PN1806	AL CLUTCH SHOES (4)	離合器甩片(4)