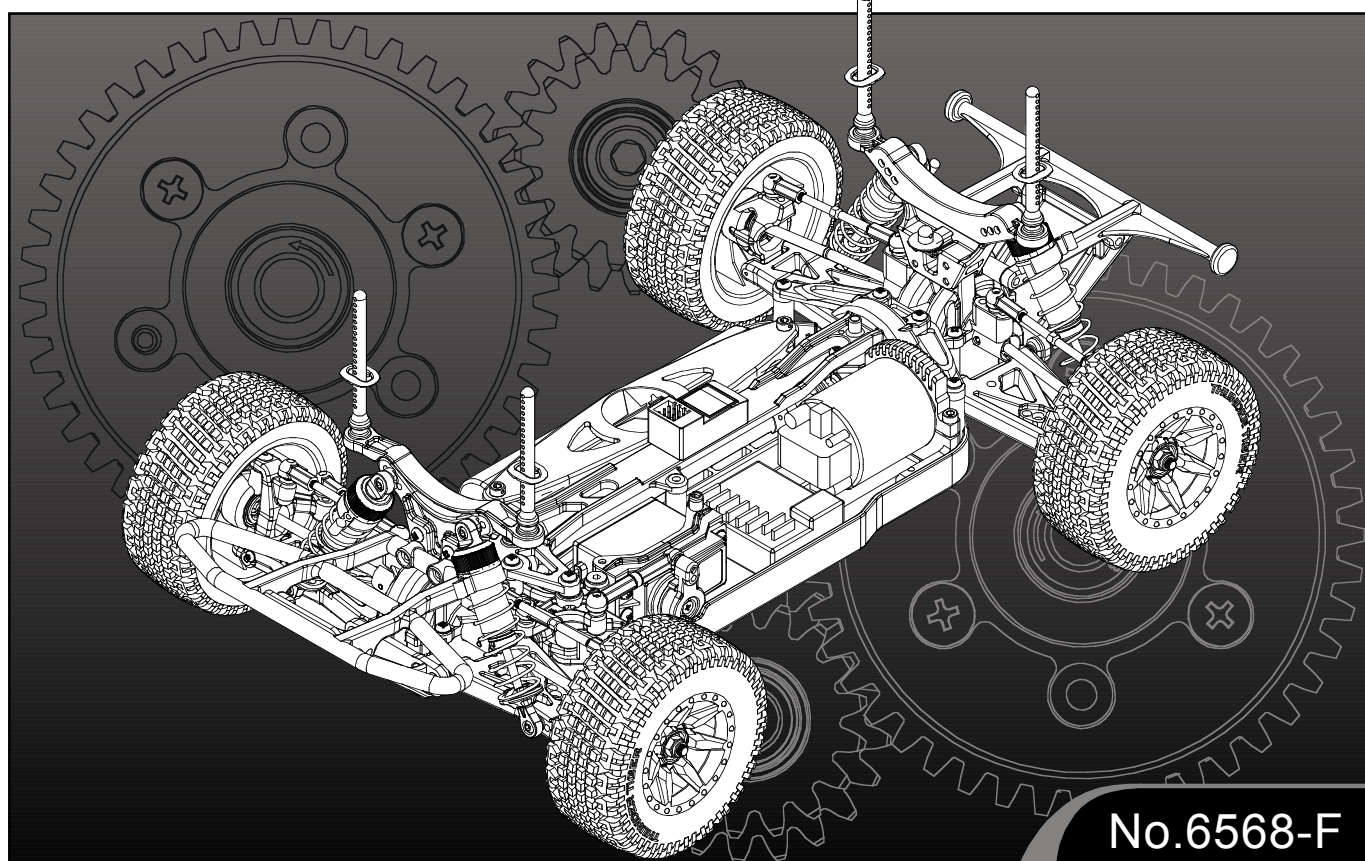




SPARROWHAWK DT12

1/12 SCALE ELECTRIC POWERED SHORT COURSE TRUCK
DT12 電動四驅卡車



No.6568-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原因，我們將保留產品規格變更權利，不再另行通知使用者。

Maintenance Manual & Parts Catalogue

維修說明書及零件包型錄

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 assembly. Follow the directions in this manual closely to reduce problems during operation. We offer online help on our www.acehobby.com or www.thundertiger.com and forums and 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.

感謝您購買雷虎科技 SPARROWHAWK DT12 電動越野車。雷虎科技一向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組裝及維修本產品前所需注意的重要事項，建議您在開始組裝及維修本產品之前，能詳閱此說明書，並熟悉本產品之組裝步驟及維修程序。若是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。雷虎科技的全球網址為 www.thundertiger.com，我們將竭誠為您服務！

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.

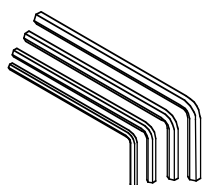
感謝您購買雷虎科技產品，在您開始操作本產品前，請詳閱本產品說明書。

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，以達到車輛最佳性能。
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，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。

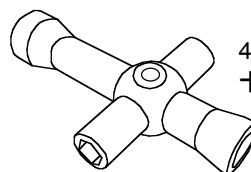
Index 索引

EXPLODED VIEW 爆炸圖檢索	P.2	OPTION PARTS 改裝配件	P.11
PARTS 零件表	P.6	OPTIONAL ELECTRONICS 選配電子產品	P.14

Tools Included 內附工具

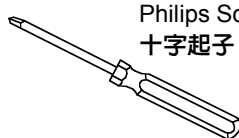


Hex Wrenches
1.5 / 2.0 / 2.5 / 3.0mm
六角板手組

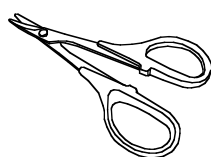


4-Way Cross Wrench
十字套筒

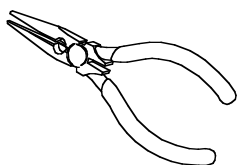
Tools Required For Assembly 組裝維修工具



Philips Screwdrivers (L/M/S)
十字起子



Lexan Body Curved Scissor
車殼專用剪



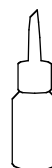
Needle Nose Pliers
尖嘴鉗



Super Glue
(CA Glue)
快乾膠



Wire Cutter
斜口剪

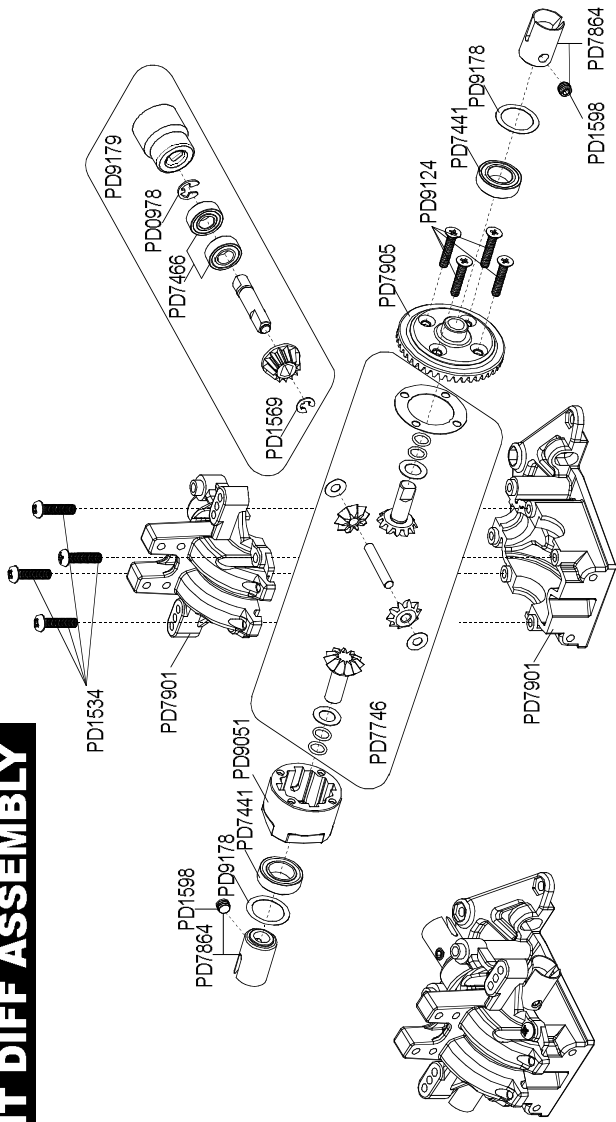


Thread Locking Adhesive
(Threadlocker)
螺絲防鬆膠

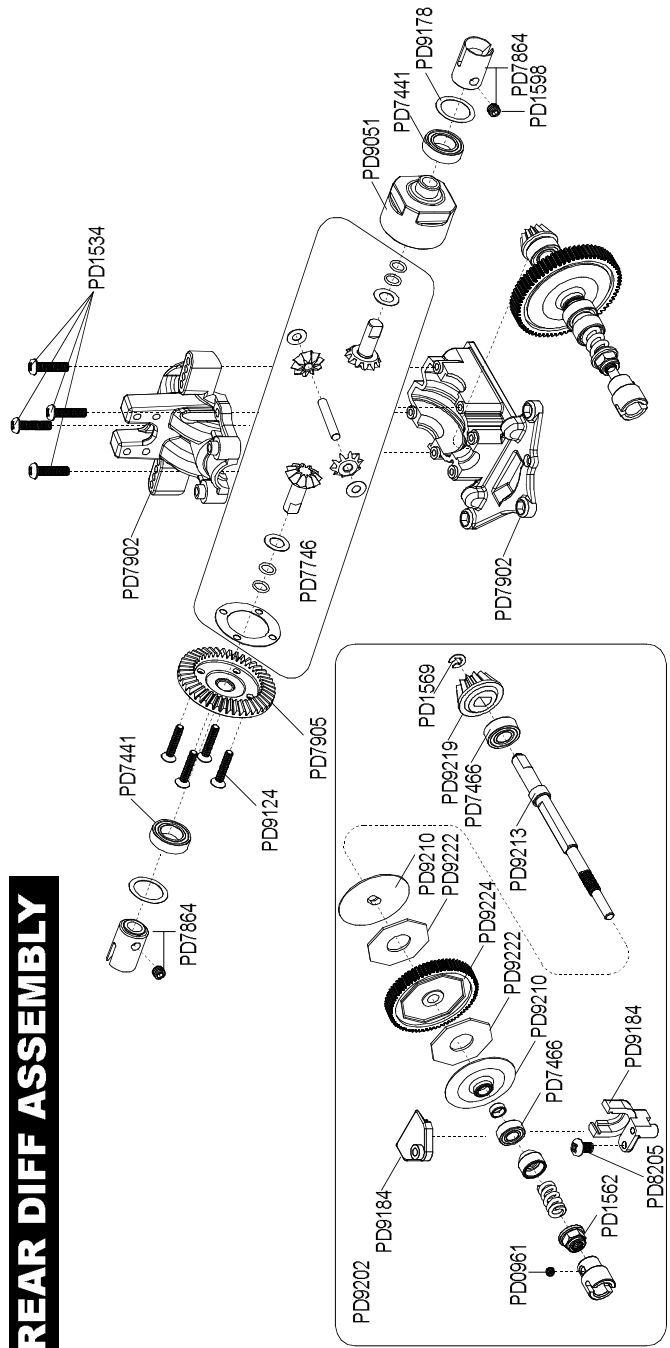


Grease
潤滑油膏 (黃油)

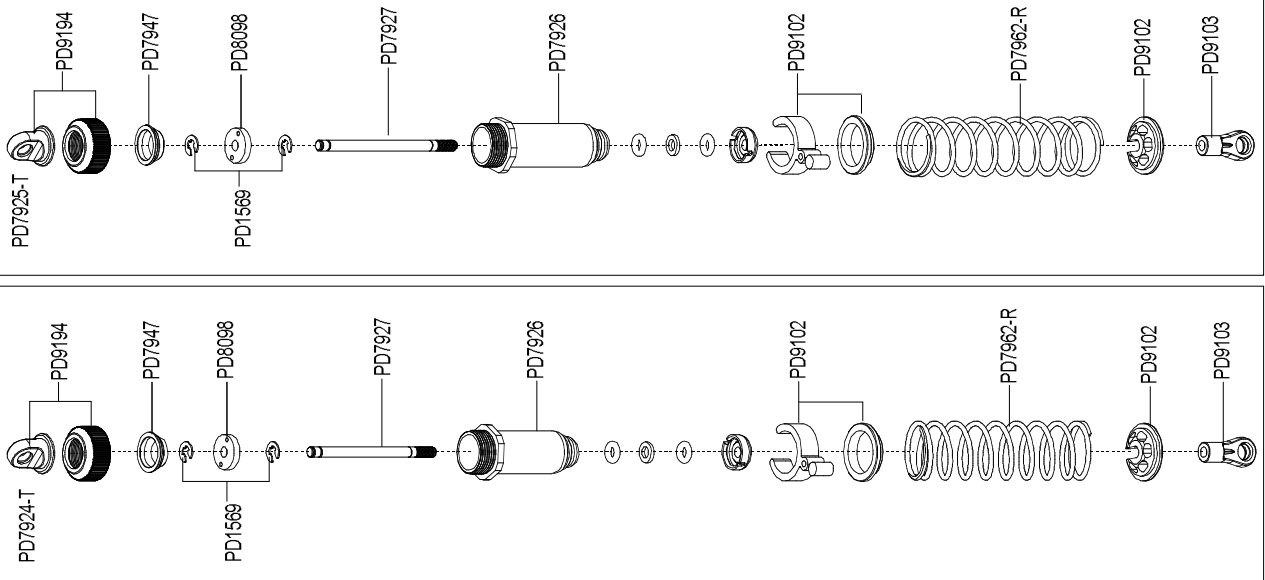
FRONT DIFF ASSEMBLY



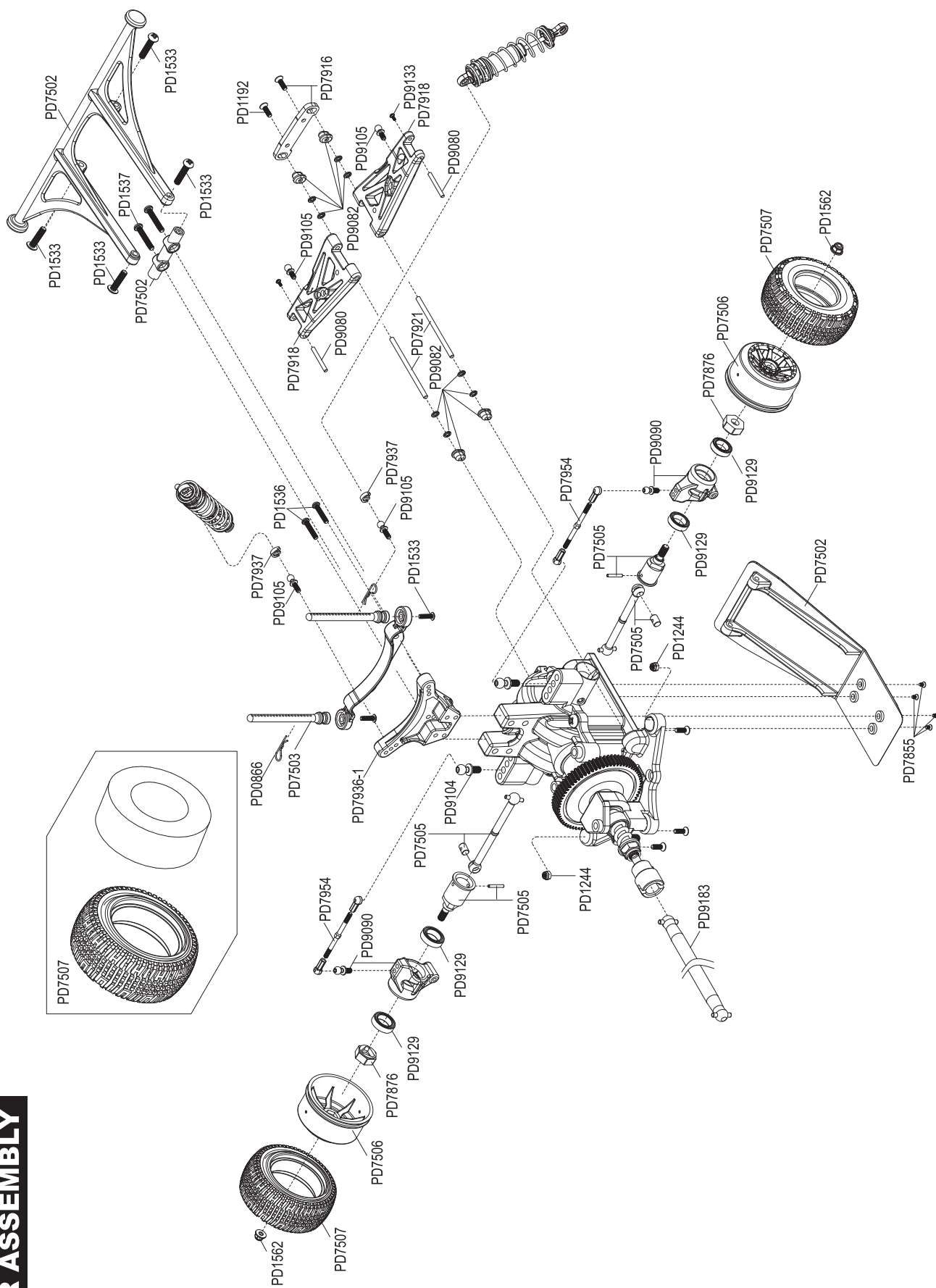
REAR DIFF ASSEMBLY



SHOCK ASSEMBLY



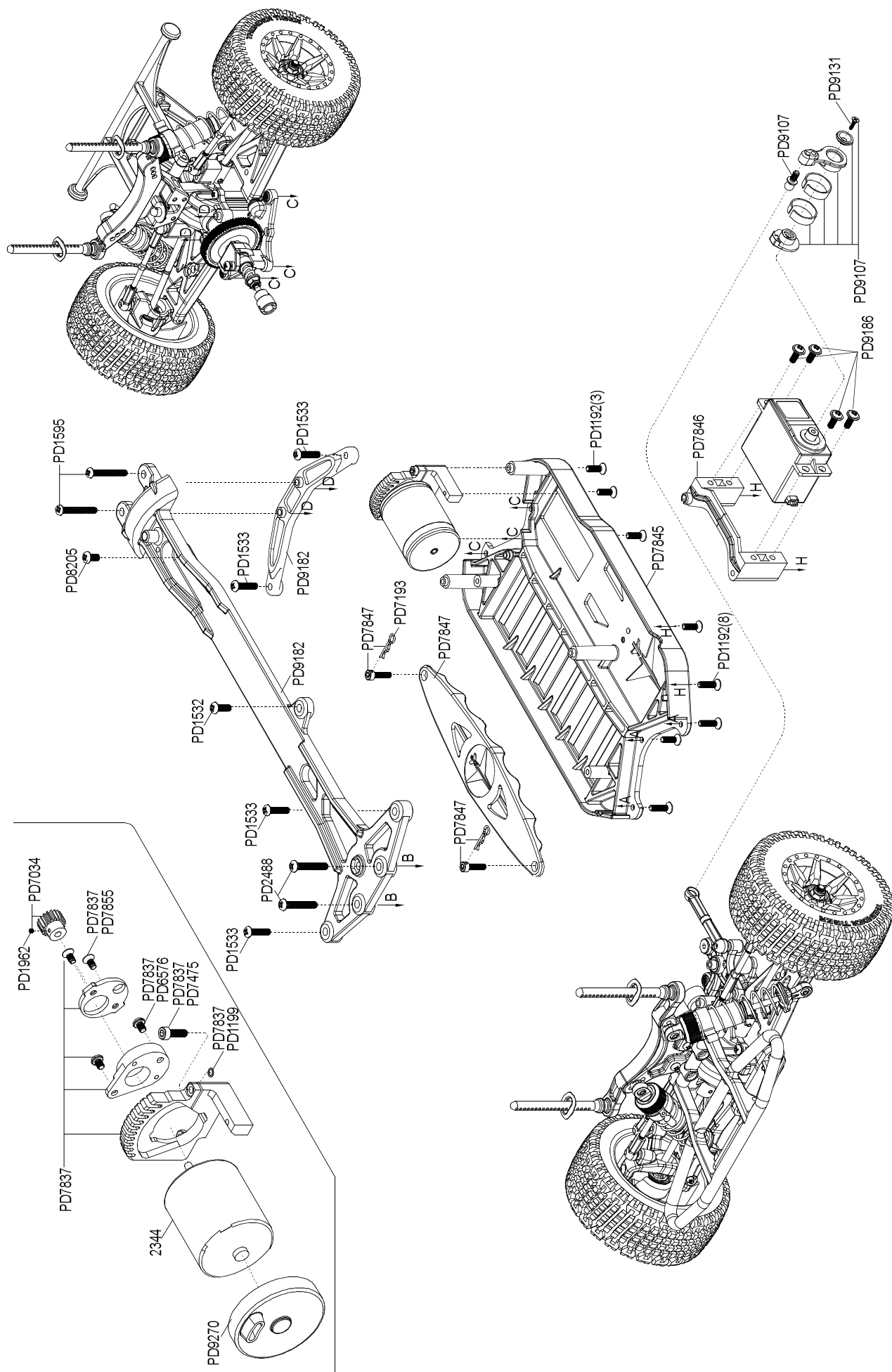
REAR ASSEMBLY



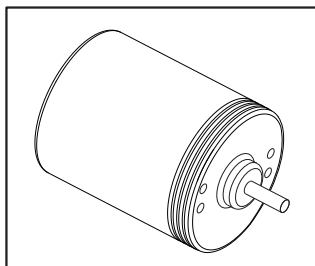
Technical drawing of a PD7507 tire. The top view shows a smooth, un treaded inner rim. The bottom view shows the tread pattern, which consists of a series of parallel, slightly wavy lines running across the width of the tire.



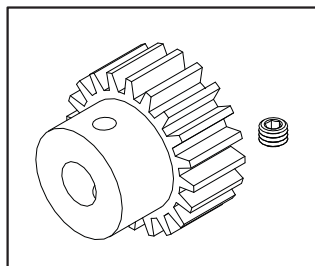
CHASSIS ASSEMBLY



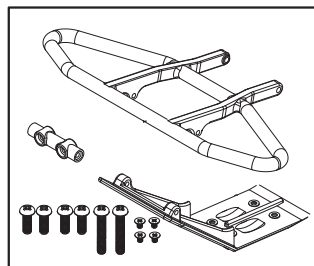
SPARROWHAWK DT12 PARTS LIST 零件表



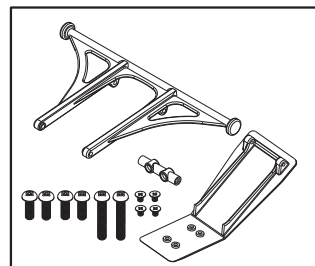
2344 BL MOTOR IBL36/39-540C
無刷馬達



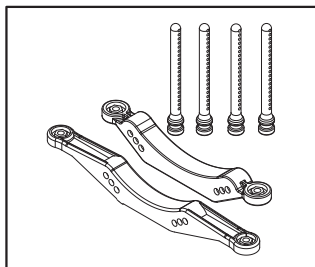
PD7034 MOTOR PINION GEAR, 20T
馬達驅動齒, 20T



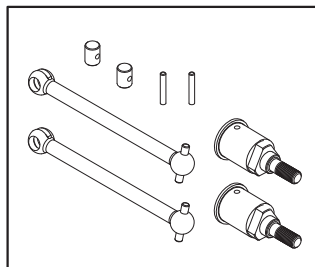
PD7501 FRONT BUMPER
前防撞板組



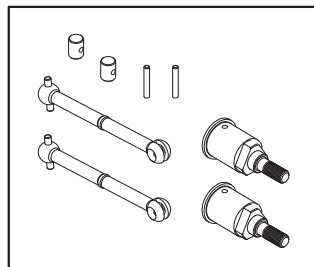
PD7502 REAR BUMPER
後防撞板組



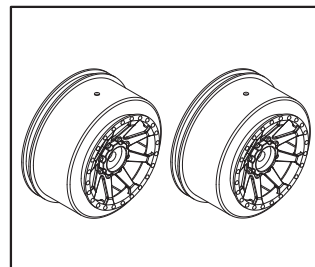
PD7503 BODY POSTS
車殼支架組



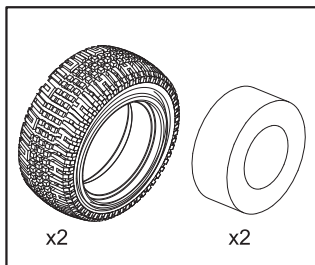
PD7504 FRONT UNIVERSAL SHAFT
前傳動軸組



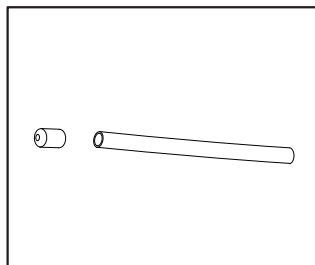
PD7505 REAR UNIVERSAL SHAFT
後傳動軸組



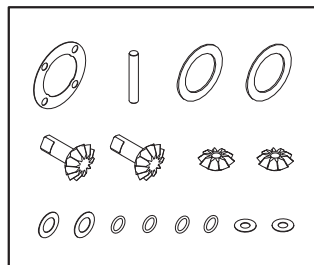
PD7506 TRUCK WHEEL (BLACK)
輪穀組



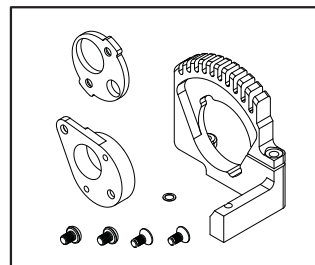
PD7507 TIRE W/FOAM
輪胎組



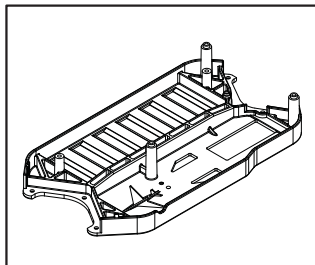
PD7712 ANTENNA TUBE
天線套管



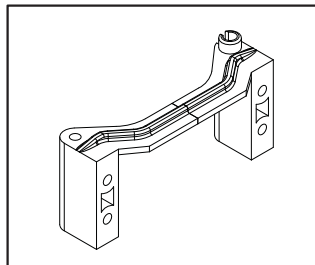
PD7746 DIFFERENTIAL GEAR SET
差速齒輪組



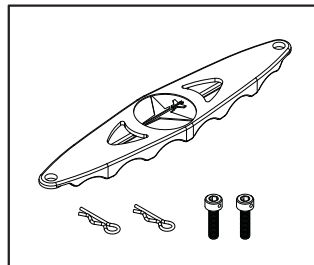
PD7837 MOTOR MOUNT
馬達固定座



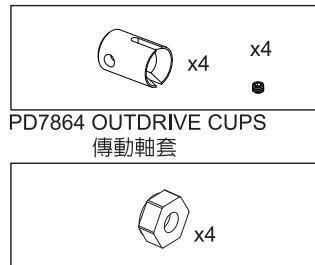
PD7845 CHASSIS
車底盤



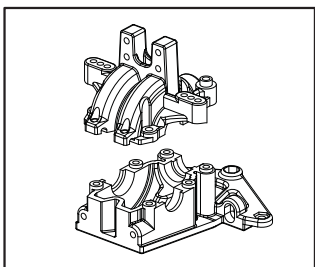
PD7846 SERVO MOUNT
伺服機座



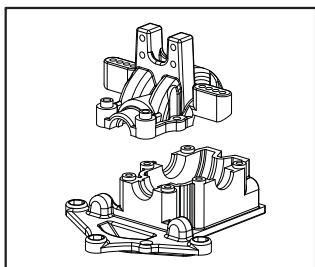
PD7847 BATTERY BRACE
電池夾片



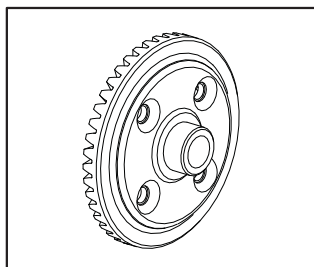
PD7864 OUTDRIVE CUPS
傳動軸套



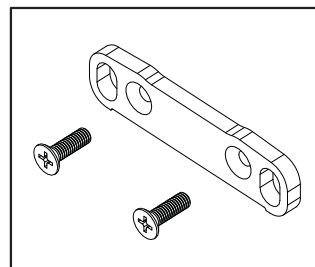
PD7901 FRONT BULKHEAD
前差速箱上下蓋組



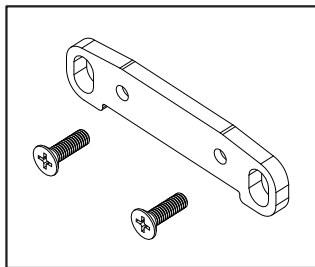
PD7902 REAR BULKHEAD
後差速箱上下蓋組



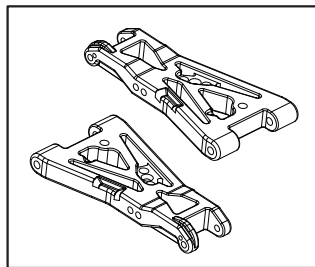
PD7905 DIFF SPUR GEAR 44T
差速大傘齒



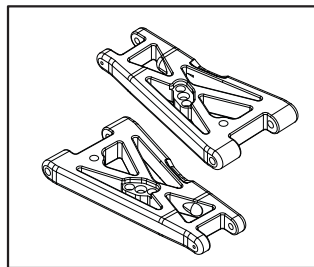
PD7915 FRONT TOE PLATE
前投影板



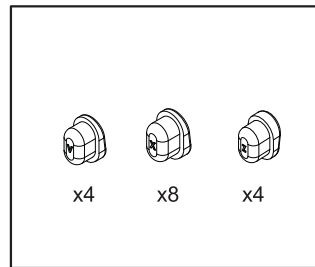
PD7916 REAR TOE PLATE
後投影板



PD7917 FRONT SUSP. ARMS
前擺臂組

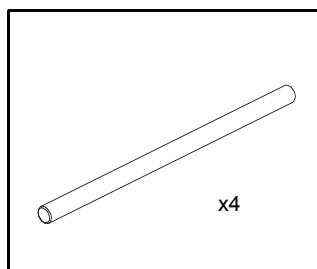


PD7918 REAR SUSP. ARMS
後擺臂組

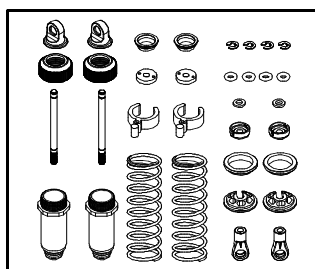


PD7920 F SUSP ARM MNT BUSHING
前擺臂軸套

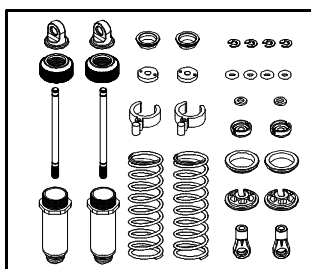
SPARROWHAWK DT12 PARTS LIST 零件表



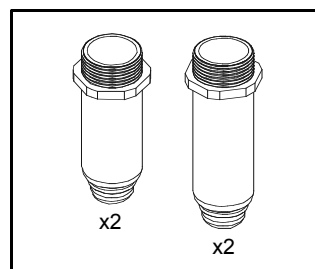
PD7921 INNER HINGE PIN SET
擺臂插銷



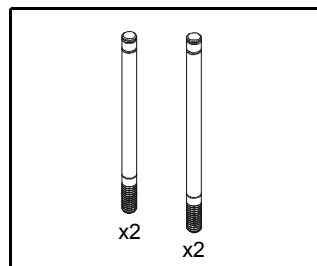
PD7924-T FRONT SHOCK SET
前避震器組



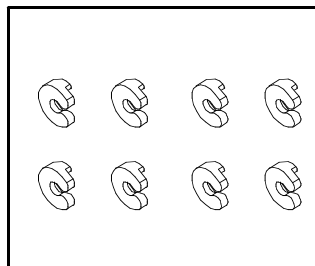
PD7925-T REAR SHOCK SET
後避震器組



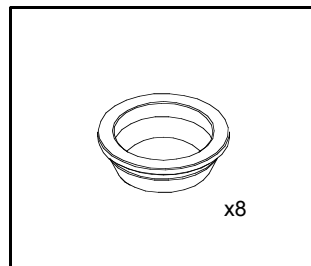
PD7926 SHOCK BODY SET
避震器套筒



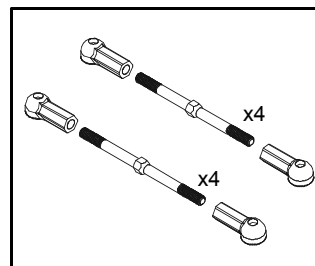
PD7927 SHOCK SHAFT
避震器軸



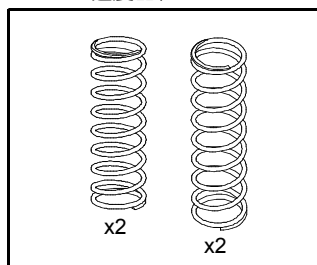
PD7937 BALL STUD SPACER
避震器球頭墊片



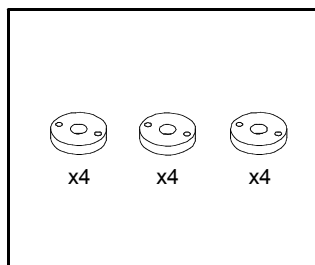
PD7947 SHOCK BLADDER
空氣活門



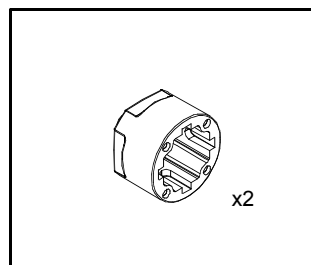
PD7954 METAL TURNBUCKLE SET
金屬拉桿組



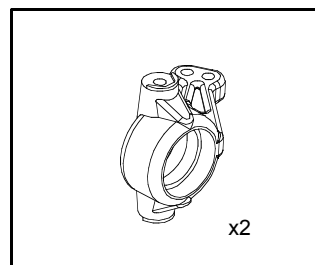
PD7962-R SHOCK SPRING(R)
避震器彈簧組



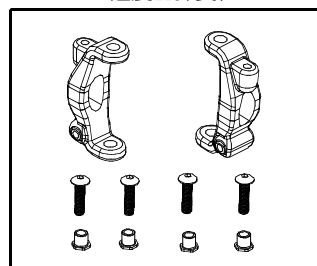
PD8098 SHOCK PISTON SET
避震器活塞



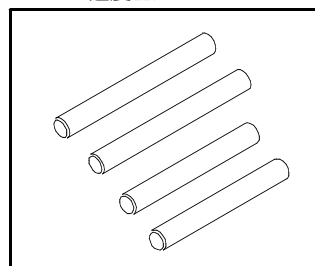
PD9051 DIFFERENTIAL CASE
差速器本體



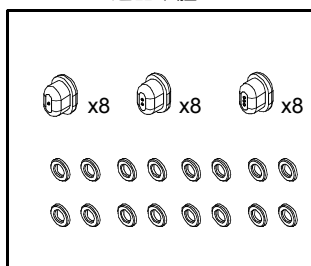
PD9077 STEERING BLOCK SET
轉向臂



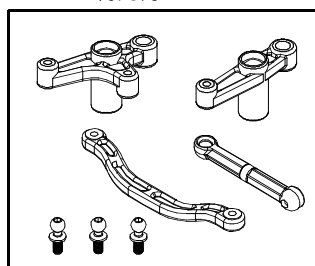
PD9078 CASTER BLOCK SET
C型座組



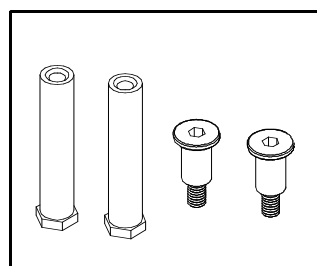
PD9080 OUTER HINGE PIN SET
軸承針組



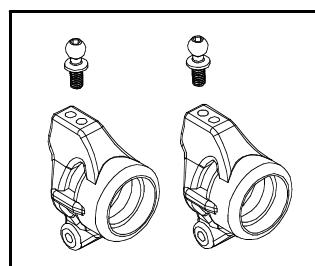
PD9082 R SUSP ARM MNT BUSHING
後擺臂軸套



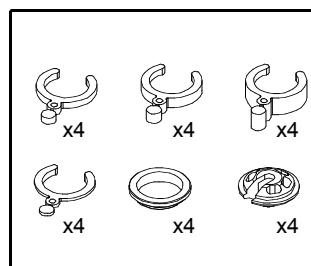
PD9086 SWING RACK SET
轉向曲柄組



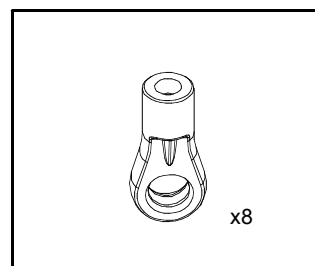
PD9087 SWING POST SCREW
轉向軸



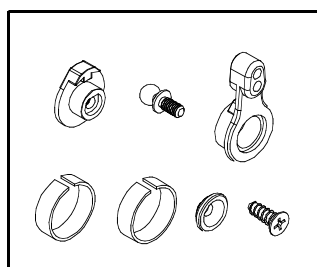
PD9090 HUB CARRIER SET
後輪座



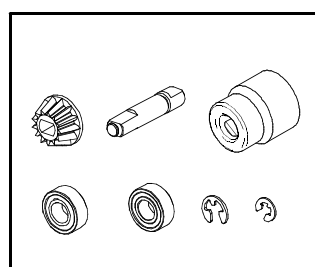
PD9102 SHOCK ACCESSORIES
避震器配件



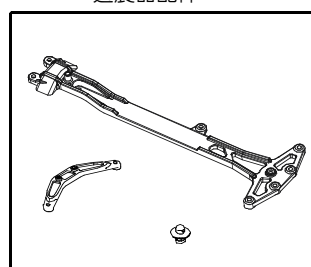
PD9103 SHOCK EYELET
避震器球頭拉桿



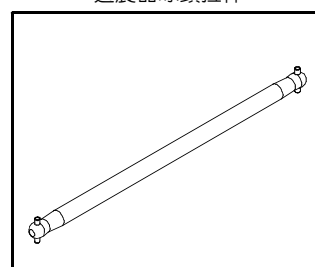
PD9107 STEER SERVO HORN SET
轉向拉桿緩衝組



PD9179 DRIVE PINION SET 13T
差速小傘齒

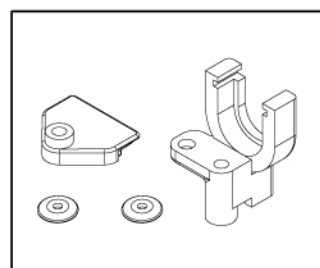


PD9182 TOP PLATE
二樓板

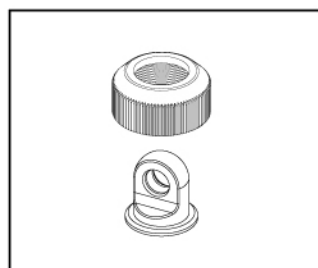


PD9183 ALUM CENTER DRIVE SHAFT
鋁合金中央轉動軸

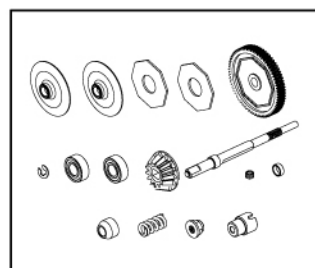
SPARROWHAWK DT12 PARTS LIST 零件表



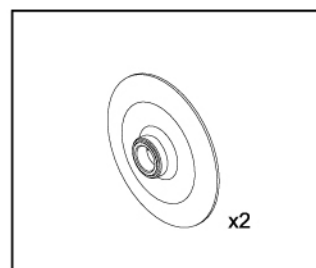
PD9184 SWING POST SCREW
主齒輪固定座



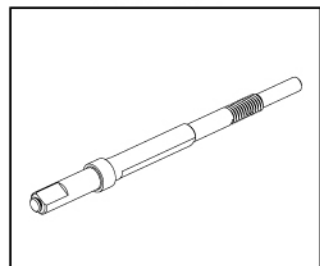
PD9194 SHOCK CAP
避震器上固定頭



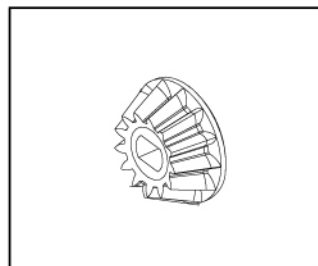
PD9202 SLIPPER CLUTCH SET
扭力限制組



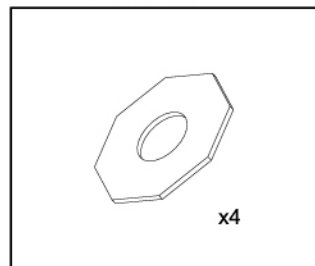
PD9210 SLIPPER HUB SET
限滑夾片組



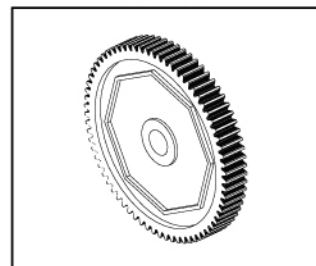
PD9213 MAIN GEAR SHAFT
主傳動軸



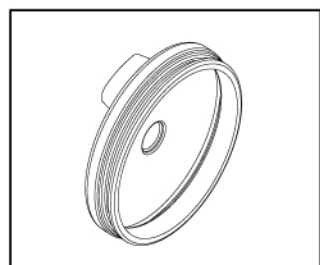
PD9219 DRIVE PINION GEAR, 13T
差速小傘齒輪, 13T



PD9222 SLIPPER PAD SET
限滑夾片組



PD9224 MAIN GEAR, 72T
傳動大齒輪, 72T



PD9270 MOTOR COVER
馬達防塵套



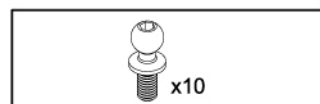
PD7508-W PAINTING BODY SET (WHITE)
完成車殼組 (白)



PD7508-O PAINTING BODY SET (ORANGE)
完成車殼組 (橘)



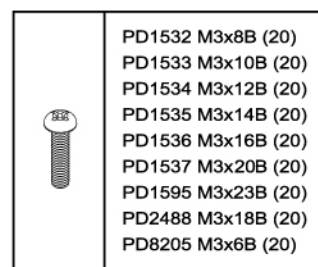
PD7509 CLEAR BODY W/DECAL
透明車殼及貼紙



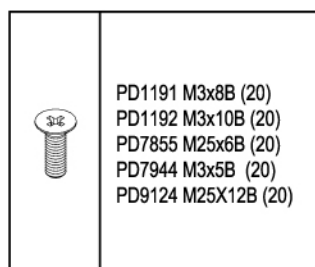
PD9104 BALL STUD (10), LONG
球頭座 (長)



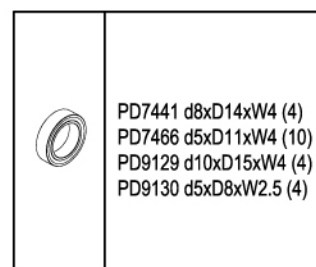
PD9105 BALL STUD (5) SHORT
球頭座 (短)



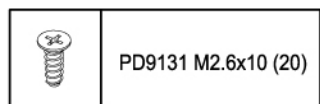
BHPS SCREW
圓頭十字螺絲



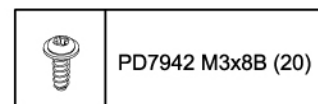
FHPS SCREW
平頭十字螺絲



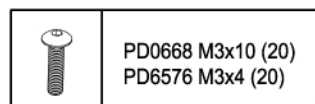
BEARING
滾珠軸承



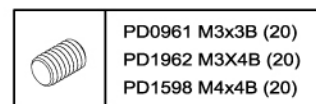
FHPS TAP SCREW
平頭十字自攻螺絲



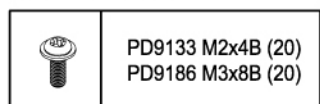
BHPS TAP SCREW W/WASHER
墊圈自攻螺絲



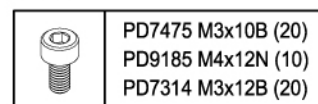
BHCS SCREW
半圓頭內六角螺絲



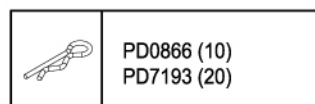
SET SCREW
無頭內六角螺絲



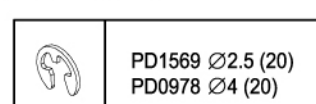
BHPS SCREW
圓頭墊圈十字螺絲



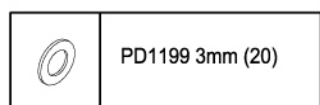
SHCS SCREW
內六角螺絲



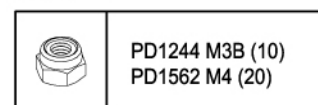
BODY CLIPS
R型插銷



E-CLIP
E型扣環



WASHER
平墊圈



LOCK NUT
止鬆螺帽



SPARROWHAWK DT12 PARTS LIST 零件表

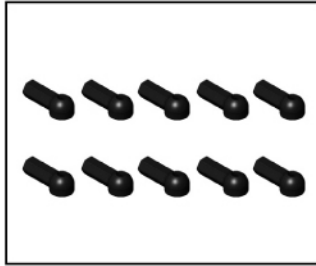
PART#	DESCRIPTION	中文名稱	NOTE
2344	BL motor IBL36/39-540C	無刷馬達IBL36/39-540C	
PD0668	BHCS SCREW(20),M3x10	半圓內六角螺絲(20)M3x10	
PD0866	BODY CLIP	R型插銷(10) ϕ 1xR4	
PD0961	SET SCREWS(20),M3x3	無頭內六角螺絲(20),M3x3	
PD0978	E-CLIP(20), 4mm	E型扣環(20), 4mm	
PD1191	FHPS SCREW(20),M3x8	平頭十字螺絲(20),M3x8	
PD1192	FHPS SCREW(20),M3x10	平頭十字螺絲(20),M3x10	
PD1199	WASHER(20),3mm	平墊圈(20),3mm	
PD1244	LOCK NUT(10), M3	止鬆螺帽(10), M3	
PD1532	BHPS SCREW(20),M3x8	圓頭十字螺絲(20),M3x8	
PD1533	BHPS SCREW(20),M3x10	圓頭十字螺絲(20),M3x10	
PD1534	BHPS SCREW(20),M3x12	圓頭十字螺絲(20),M3x12	
PD1535	BHPS SCREW(20),M3x14	圓頭十字螺絲(20),M3x14	
PD1536	BHPS SCREW(20),M3x16	圓頭十字螺絲(20),M3x16	
PD1537	BHPS SCREW(20),M3x20	圓頭十字螺絲(20),M3x20	
PD1562	LOCK NUT(20),FLANGE M4	凸緣止鬆螺帽	
PD1569	E-CLIP(20),2.5mm	E 型扣環(20),2.5mm	
PD1595	BHPS SCREW(20),M3x23	圓頭十字螺絲,M3x23	
PD1598	SET SCREWS(20),M4x4	無頭內六角螺絲(20),M4x4	
PD1962	SET SCREW(20),M3x4	無頭內六角螺絲(20),M3x4	
PD2488	BHPS SCREW(20),M3x18	圓頭十字螺絲(20),M3x18	
PD6576	BHCS SCREW(20),M3x4	半圓頭內六角螺絲, M3x4	
PD7034	MOTOR PINION GEAR,20T	馬達驅動齒, 20T	
PD7193	BODY CLIPS(20) ϕ 1xR5	R型插銷	
PD7314	SHCS SCREW(20),M3x12	內六角螺絲	
PD7441	BEARING(4),d8xD14xW4	滾珠軸承(4),d8xD14xW4	
PD7466	BEARING(10),d5xD11xW4	滾珠軸承(10), d5xD11xW4	
PD7475	SHCS SCREW(10),M3x10	內六角螺絲(10),M3x10	
PD7501	FRONT BUMPER	前防撞板組	
PD7502	REAR BUMPER	後防撞板組	
PD7503	BODY POSTS	車殼支架組	
PD7504	FRONT UNINI SHAFT	前傳動軸組	
PD7505	REAR UNINI SHAFT	後傳動軸組	
PD7506	THUCK WHEEL(BLACK)	輪殼組	
PD7507	TIRE W/FOAM	輪胎組	
PD7508-W	PAINTING BODY SET (WHITE)	車殼組-白	
PD7508-O	PAINTING BODY SET (ORANGE)	車殼組-橘	
PD7509	CLEAR BODY W/D	透明車殼及彩貼組	
PD7712	ANTENNA TUBE	天線套管	
PD7746	DIFFERENTIAL GEAR SET	差速組齒輪	
PD7837	MOTOR MOUNT	馬達固定座	
PD7845	CHASSIS	車底盤	
PD7846	SERVO MOUNT	伺服機座	
PD7847	BATTERY BRACE	電池夾片	
PD7855	FHPS SCREW(20),M25x6	平頭十字螺絲(20),M25x6	
PD7864	OUTDRIVE CUPS	傳動軸套	
PD7901	FRONT BULKHEAD	前差速箱上下蓋組	
PD7902	REAR BULKHEAD	後差速箱上下蓋組	
PD7905	DIFF SPUR GEAR 44T	差速大傘齒	
PD7915	FRONT TOE PLATE	前投影板	
PD7916	REAR TOE PLATE	後投影板	
PD7917	FRONT SUSP. ARMS	前擺臂組	
PD7918	REAR SUSP. ARMS	後擺臂組	
PD7920	F SUSP ARM MNT BUSHING	前擺臂軸套	
PD7921	INNER HINGE PIN SET	擺臂插銷	
PD7924-T	FR SHOCK SET	前避震器組	
PD7925-T	RR SHOCK SET	後避震器組	
PD7926	SHOCK BODY SET	避震器套筒	
PD7927	SHOCK SHAFT	避震器軸	
PD7937	BALL STUD SPACER	避震器球頭墊片	

PART#	DESCRIPTION	中文名稱	NOTE
PD7942	BHPS SCRW w/W(20 ,M3x8	墊圈自攻螺絲	
PD7944	FHPS SCREW(20),M3x5	平頭十字螺絲	
PD7947	SHOCK BLADDER	空氣活門	
PD7954	METAL TURNBUCKLE SET	金屬拉桿組	
PD7962-R	SHOCK SPRING(R)	避震器彈簧組(紅)	
PD8098	SHOCK PISTON SET	避震器活塞	
PD8205	BT P.M. SCREW(20),M3x6	圓頭十字螺絲(20),M3x6	
PD9051	DIFFERENTIAL CASE	差速器本體	
PD9077	STEERING BLOCK SET	轉向臂	
PD9078	CASTER BLOCK SET	C型座組	
PD9080	OUTER HINGE PIN SET	軸承針組	
PD9082	R SUSP ARM MNT BUSHING	後擺臂軸套	
PD9086	SWING RACK SET	轉向曲柄組	
PD9087	SWING POST SCREW	轉向軸	
PD9090	HUB CARRIER SET	後輪座	
PD9102	SHOCK ACCESSORIES	避震器配件	
PD9103	SHOCK EYELET	避震器球頭拉桿	
PD9104	BALL STUD(10), L	球頭座(長)	
PD9105	BALL STUD(5), S	球頭座(短)	
PD9107	STEER SERVO HORN SET	轉向拉桿緩衝組	
PD9124	FHPS SCREW(20),M25x12	平頭十字螺絲(20),M25x12	
PD9129	BEARING(4),10x15x4	滾珠軸承(4),10x15x4	
PD9130	BEARING(4),5x8x2.5mm	滾珠軸承(4),5x8x2.5mm	
PD9131	FHPS TAP SCREW(20),M26x10	平頭十字自攻螺絲,M2.6x10	
PD9133	BHPS SCREW W/Washer,M2x4	圓頭十字墊圈螺絲,M2x4	
PD9179	DR.PINION SET 13T	差速小傘齒	
PD9182	TOP PLATE	二樓板	
PD9183	ALUM MAIN DR SHAFT	鋁合金中央傳動軸	
PD9184	CENTER BULKHEAD	主齒輪固定座	
PD9185	SHCS SCREW(20),M4x12N	內六角螺絲	
PD9186	BHPS SCREW W/WASHER,M3x8	圓頭十字墊圈螺絲,M3x8	
PD9194	SHOCK CAP,METAL	避震器上蓋	
PD9202	SLIPPER CLUTCH SET	扭力限制器組	
PD9210	SLIPPER HUB SET	限滑夾片組	
PD9213	MAIN GEAR SHAFT	主傳動軸	
PD9219	DR. PINION GEAR 13T	差速小傘齒輪(13T)	
PD9222	SLIPPER PAD SET	限滑來令片組	
PD9224	MAIN GEAR 72T	傳動大齒輪(72T)	
PD9270	MOTOR BOOT	無刷馬達防塵罩	
PD7876	ALUM HEX ADAPTER	鋁合金改裝六角輪骨轉換器	

SPARROWHAWK DT12 OPTION PARTS LIST 改裝配件



1340 ROTATING CAR STAND(ORANGE)
車用旋轉工作台,橘



PD2302 BALL CUPS
球頭拉桿組零件包



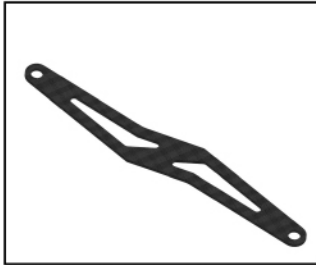
PD7722 ALUM STEERING BLOCK SET
鋁合金改裝轉向臂



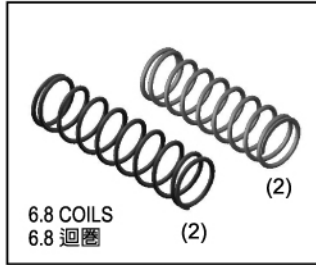
PD7723 ALUM CASTER BLOCK SET
鋁合金改裝C型座組



PD7724 ALUM HUB CARRIER SET
鋁合金改裝後輪座



PD7878 CFRP BATT. STRAP
碳纖維電池夾板



PD7928 SHOCK SPRING(BLACK)
避震器彈簧組(黑)



PD7951-T REAR TOE PLATE SET
改裝後投影板(2°/3°)



PD7957 CFRP FRONT SHOCK TOWER
碳纖維前避震器支架板



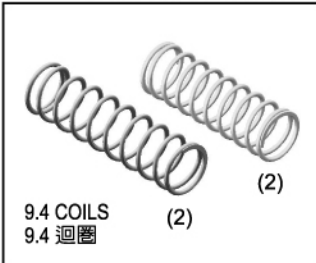
PD7958 CFRP REAR SHOCK TOWER
碳纖維後避震器支架板



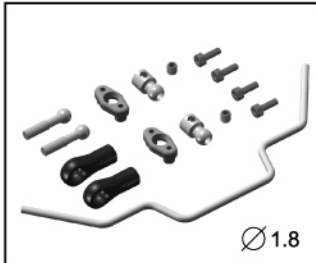
PD7960 FRONT ALUM SHOCK BODY SET
前鋁合金避震器套筒組



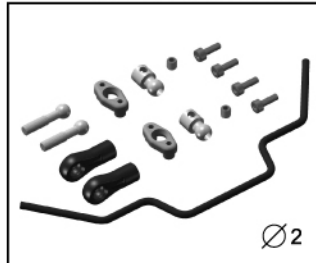
PD7961 REAR ALUM SHOCK BODY SET
後鋁合金避震器套筒組



PD7962-L SHOCK SPRING(BLUE)
避震器彈簧組(藍)



PD7965-1 WAY BAR SET(GOLD)
防傾桿組(金)



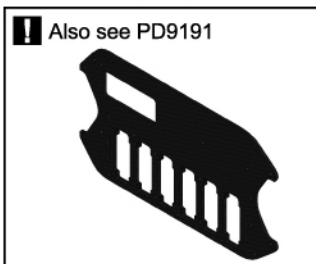
PD7965-2 SWAY BAR SET(BLACK)
防傾桿組(黑)



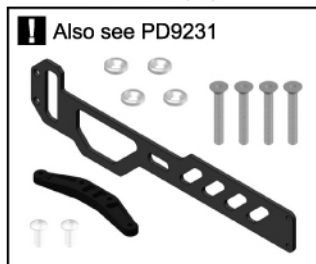
PD7968 ALUM STEERING BELL CRANK
鋁合金改裝轉向搖臂



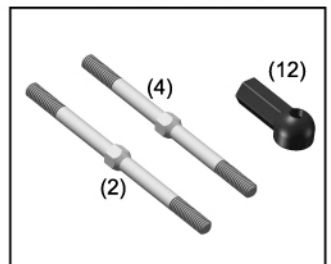
PD7969 ALUM STEERING SLIDER
鋁合金改裝轉向曲柄



PD9188 CFRP CHASSIS
碳纖維底板



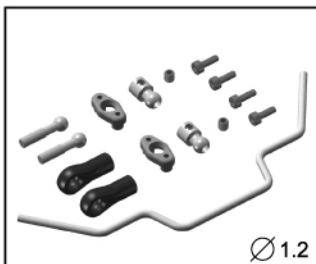
PD9189 CFRP TOP PLATE
二樓板



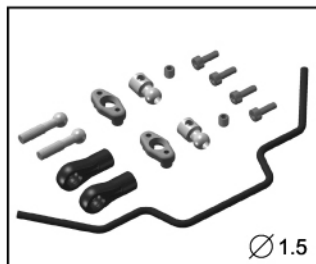
PD9190 CAMBER / STEERING TIE RODS
鈦合金擺臂及轉向拉桿組



PD9191 CFRP BATT.BRACE& ACC
車殼附件組



PD9200-1 SWAY BAR SET(SILVER)
防傾桿組(銀)



PD9200-2 REAR SWAY BAR SET(BLACK)
防傾桿組(黑)



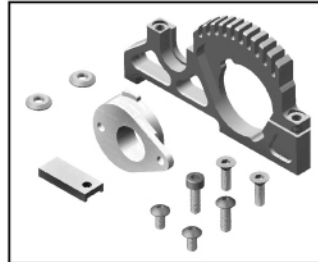
PD9214 MAIN GEAR,70T
傳動大齒輪,70T

SPARROWHAWK DT12 OPTION PARTS LIST 改裝配件

! Also see PD9189



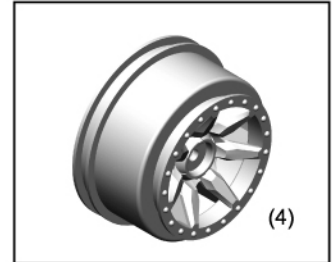
PD9231 ALUM TOP PLATE BRACE SET
鋁合金二樓板墊片



PD9192 ALUM MOTOR MNT, TOURING
馬達固定座



MOTOR PINION GEAR 馬達驅動齒
PD7033, 19T
PD7035, 21T
PD7036, 22T
PD7037, 23T
PD7038, 24T
PD7039, 25T
PD7836, 26T



PD7506-W TRUCK WHEEL (WHITE)
輪轂(白色) (4)

! This part must be assembled with the corresponding counter parts in the spare or option part list.
此改裝件需與相對應之零件共同組裝

PART#	DESCRIPTION	中文名稱	NOTE
1340	ROTATING CAR STAND	旋轉調車架	
PD2302	BALL CUPS(10)	球頭拉桿組零件包	
PD7033	MOTOR PINION GEAR,19T	馬達驅動齒,19T	
PD7035	MOTOR PINION GEAR,21T	馬達驅動齒,21T	
PD7036	MOTOR PINION GEAR,22T	馬達驅動齒,22T	
PD7037	MOTOR PINION GEAR,23T	馬達驅動齒,23T	
PD7038	MOTOR PINION GEAR,24T	馬達驅動齒,24T	
PD7039	MOTOR PINION GEAR,25T	馬達驅動齒,25T	
PD7506-W	TRUCK WHEEL (WHITE)	輪轂 (白色)	
PD7722	ALUM STEERING BLOCK SET	鋁合金改裝轉向臂	
PD7723	ALUM CASTER BLOCK SET	鋁合金改裝C型座組	
PD7724	ALUM HUB CARRIER SET	鋁合金改裝後輪座	
PD7836	MOTOR PINION GEAR,26T	馬達驅動齒,26T	
PD7878	CFRP BATT. STRAP	碳纖維電池夾板	
PD7928	SHOCK SPRING(B)	避震器彈簧組 (黑)	
PD7951-T	RR TOE PLATE SET	改裝後投影板	
PD7957	CFRP FR SHOCK TOWER	碳纖維前避震器支架板	
PD7958	CFRP RR SHOCK TOWER	碳纖維後避震器支架板	
PD7960	F AL SHOCK BODY SET	前鋁合金避震器套筒組	
PD7961	R AL SHOCK BODY SET	後鋁合金避震器套筒組	
PD7962-L	SHOCK SPRING(L)	避震器彈簧組 (藍)	
PD7965-1	SWAY BAR SET(G)	防傾桿組 (金)	
PD7965-2	SWAY BAR SET(B)	防傾桿組 (黑)	
PD7968	ALUM STEERING BELLCRANK	鋁合金改裝轉向搖臂	
PD7969	ALUM STEERING SLIDER	鋁合金改裝轉向曲柄	
PD9188	CFRP CHASSIS	碳纖底板	
PD9189	CFRP TOP PLATE	碳纖二樓板	
PD9190	TI TURURNBuckle SET	鈦合金擺臂及轉向拉桿組	
PD9191	BATT.BRACE&ACC	車殼固定座附件組	
PD9192	ALUM MOTOR MNT	金屬馬達固定座	
PD9200-1	SWAY BAR SET(S)	防傾桿組 (銀)	
PD9200-2	SWAY BAR SET(B)	防傾桿組 (黑)	
PD9214	MAIN GEAR 70T	傳動大齒輪 (70T)	
PD9231	AL TOP PLT BRC SET	二樓板墊片組	

OPTIONAL ELECTRONICS 選配電子產品

ACE RC® Battery 鋰電池



No.2843 Hi-Power 35C,
Li-Po Battery

RIPPER Brushless Motors 無刷馬達



No.2360 IBL36/61-540C
6100 RPM/Volt



No.2359 IBL36/49-540C
4900 RPM/Volt

ACE RC® Electronic Speed Control 速控器



No.8061 BLC-75C ESC



No.8060 BLC-40C ESC

Specifications

STAND-ALONE ESC	BLC-75C ESC	BLC-40C ESC
Item No.	8061	8060
NiCD / NiMH cells	7.2V	7.2V
Li Polymer cells	7.4V*	7.4V*
Current (Continuous)	75A	40A
Max Output	540W/60sec	360W/40sec
Size LxWxH (mm)	37x28.8x36.5	46x28.8x31.5
Weight (g)	80.3g	66g

* Changing to a higher voltage battery will require a lower KV motor and/or a lower gear ratio. The ESC will be burnt out if the motor and gear ratio does not match the input voltage properly. See the example below showing how battery voltage affects power output.

Input 7.2V, internal resistance 0.18Ω --- 40A (V/R=I 7.2/0.18=40A)

Input 11.1V, internal resistance 0.18Ω --- 61.6A (V/R=I 11.1/0.18=61.6A)

如改用較高電壓的電池時，一定要換較低KV值的馬達或更換較輕馬達齒輪比，因為同一個馬達的內部阻抗是固定的，若使用不同的電壓輸入，其消耗電流會有很大的不同，沒有注意ESC的規格隨意配用馬達或變動輸入電壓的話，很容易使ESC燒燬，以下為一個簡例說明：

輸入電壓7.2V時，一個內阻為0.18Ω的馬達會消耗40A的電流 (I=V/R 即 7.2/0.18=40) =288W

輸入電壓11.1V時，一個內阻為0.18Ω的馬達會消耗61.6A的電流 (I=V/R 即 11.1/0.18=61.6) =684W

輸入電壓雖然只提高3.9V，但是功率卻多了一倍，所以我們強烈建議使用者在使用較高電壓前，一定要先檢查ESC的溫度，同時降低馬達的KV值，再依兩者的溫昇來調整齒比。

ACE RC® Receiver 接收機



AQ2280 2.4GHz 4CH Receiver

Specifications

Receiver	TRS401ss
Item No.	AQ2280
Frequency (GHz)	2.4GHz
Channel	4CH
BEC	No
Type	PPM
Antenna Type	Single Antenna
Battery Power	4.8~6V
Dimension (mm)	18.3x35.6x14.2
Weight(g/oz)	6.5g

COUGAR 2.4GHz 3CH DIGITAL RADIO SYSTEM PS3i



2.4GHz Surface
Radio Control System
數位槍型遙控器
No.8308



Specifications

Item No.	8308
Transmitter	COUGAR PS3i
Configuration	Pistol Grip
Encoder	3Ch
Frequency (MHz)	2.44GHz
Modulation	GFSK
Current Drain	130mA@9.6V
Frequency Band Width	24MHz
Transmission System	FHSS
Band No.	78CH
ID No.	13bit
Radio Speed	16Kbps
Servo Reverse	CH1~CH3
Display	LCD
Mode Memory	10
Antenna Type	1/4 λ Dipole
Antenna Peak Gain	2dBi Typica
Power Requirement	9.6V/8 cell A
Dimension (w/o Antenna)	220x99x182mm / 8.66x3.89x7.16in
Weight (g/oz)	443g/15.59oz



Futaba*



2.4GHz 4CH Receiver,
Futaba*

* Futaba is registered trademark.

ACE RC® Digital Servo 數位伺服機



No.8127 Digital High Torque / DS1015



No.8128 Digital Standard / DS1313

Specifications

Torque 4.8V/6V(oz-in)	161.1 / 201.4
Torque 4.8V/6V(Kg-cm)	11.6 / 14.5
Speed 4.8V/6V(sec/60°)	0.138 / 0.108
Gear	M
Bearing	2BB
Size LxWxH(in)	1.65 x 0.81 x 1.56
Size LxWxH(mm)	41.8 x 20.6 x 39.6
Weight(oz/gram)	2.328 / 66

Specifications

Torque 4.8V/6V(oz-in)	133.3 / 173.6
Torque 4.8V/6V(Kg-cm)	9.6 / 12.5
Speed 4.8V/6V(sec/60°)	0.16 / 0.13
Gear	M
Bearing	2BB
Size LxWxH(in)	1.65 x 0.81 x 1.56
Size LxWxH(mm)	41.8 x 20.6 x 39.6
Weight(oz/gram)	2.328 / 66

