

Instruction Manual





71-73 Tenter Road Moulton Park Northampton NN3 6AX U.K.







Schumacher Racing stocks and distributes the following manufacturers products and full product listings are available on our website at www.racing-cars.com

PLEASE NOTE THAT SOME OF THE PRODUCT RANGES BELOW ARE ONLY AVAILABLE IN THE UNITED KINGDOM.

















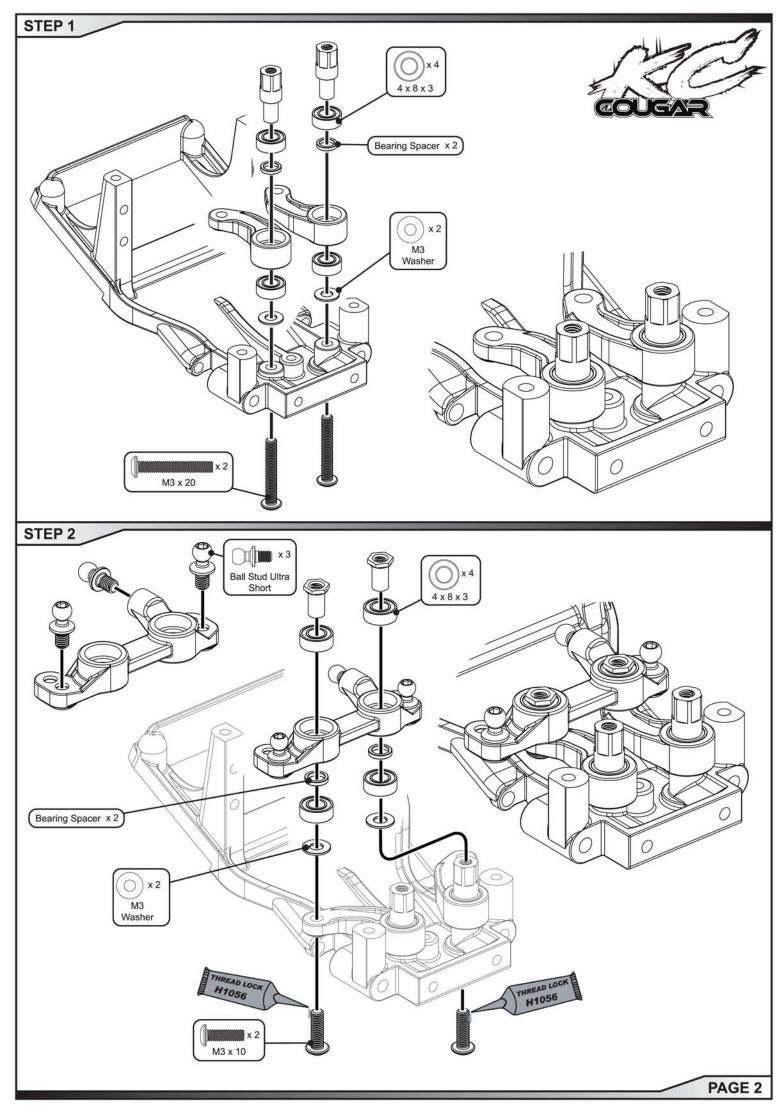


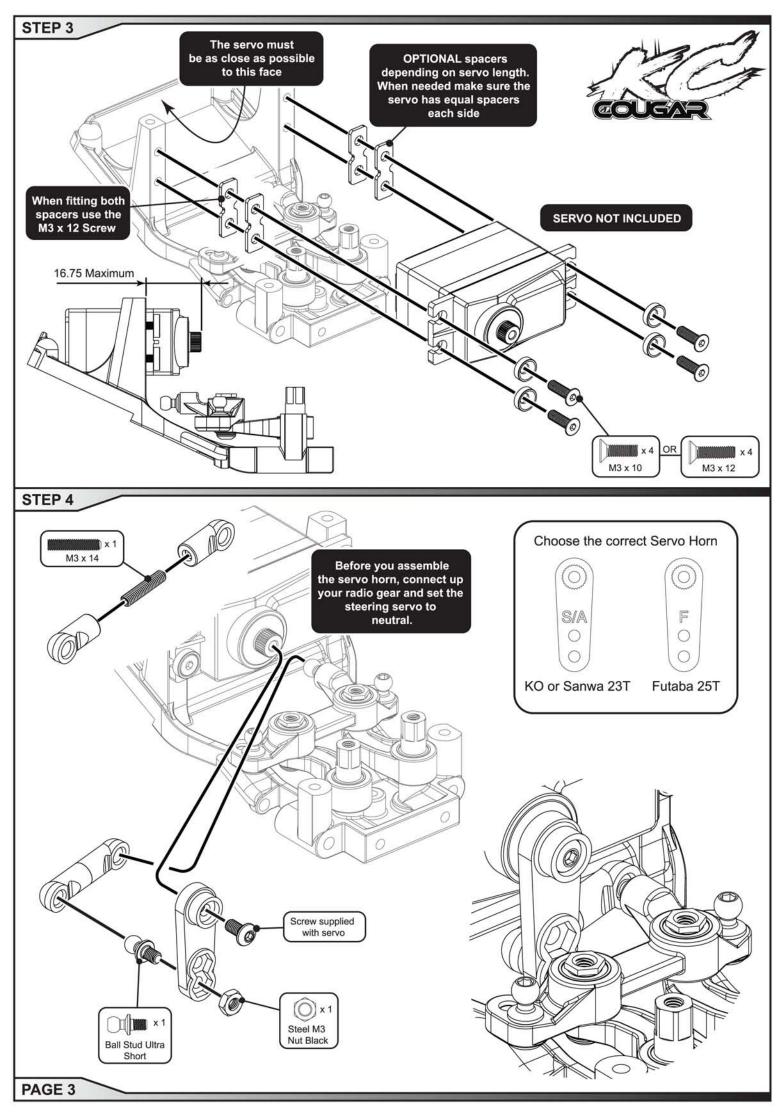


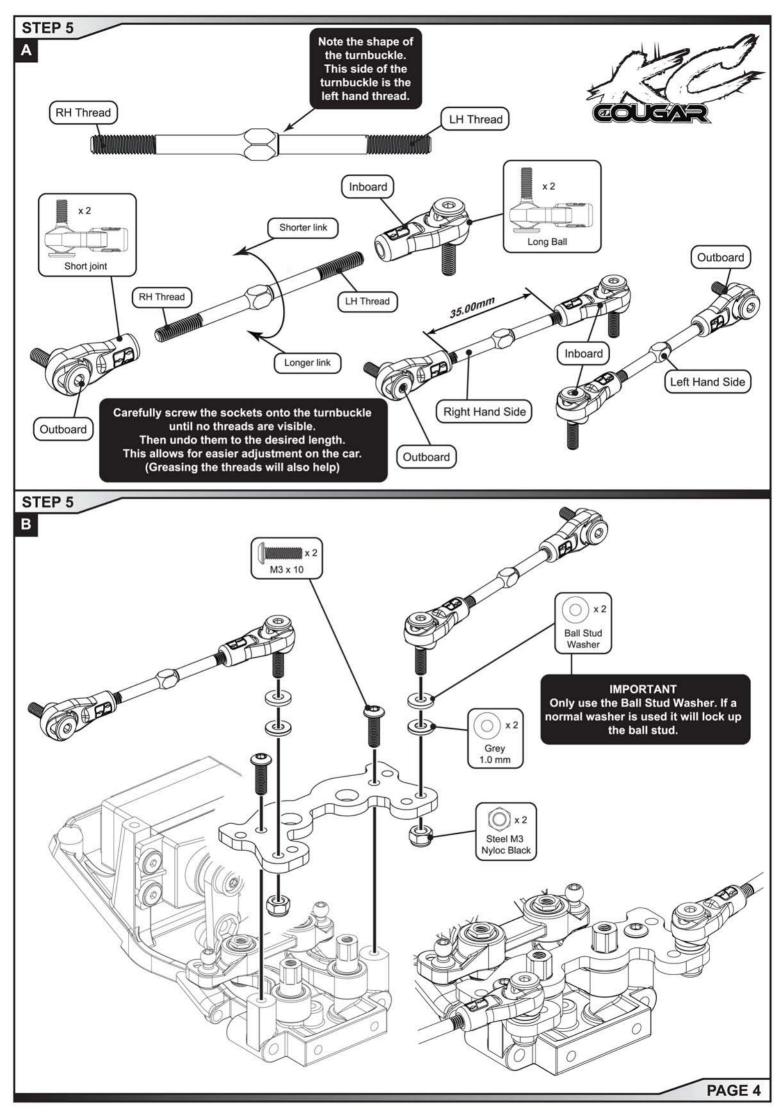


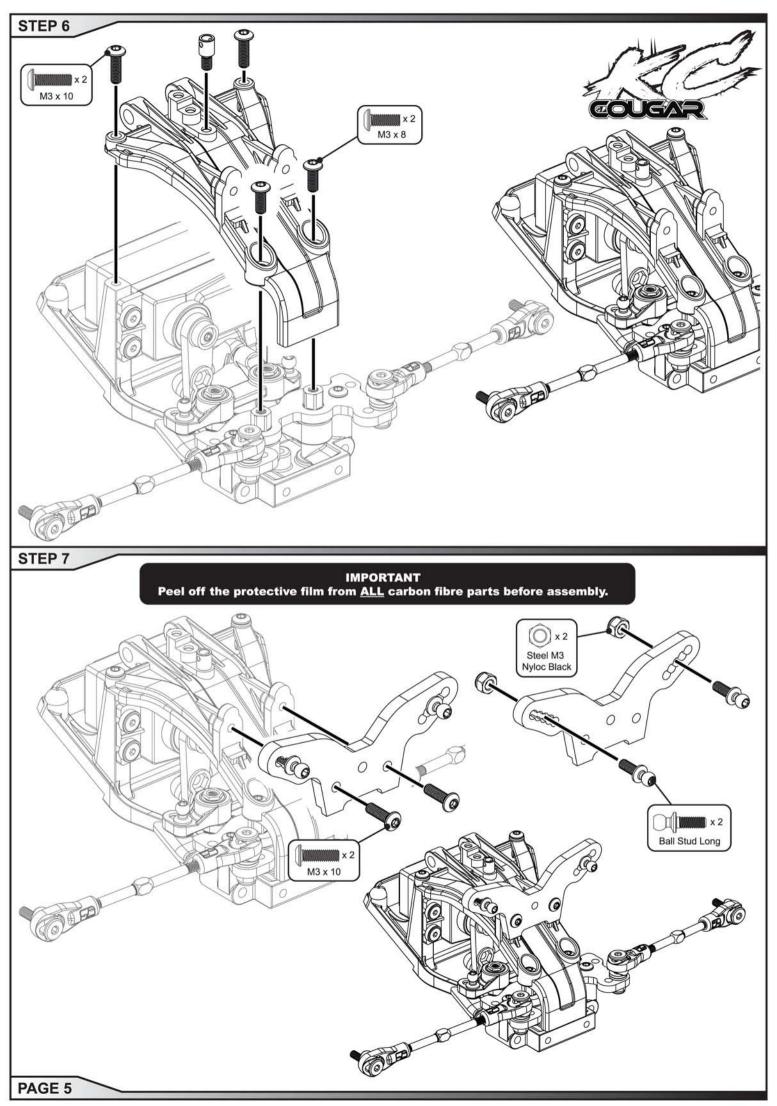
IMPORTANT SAFETY NOTES

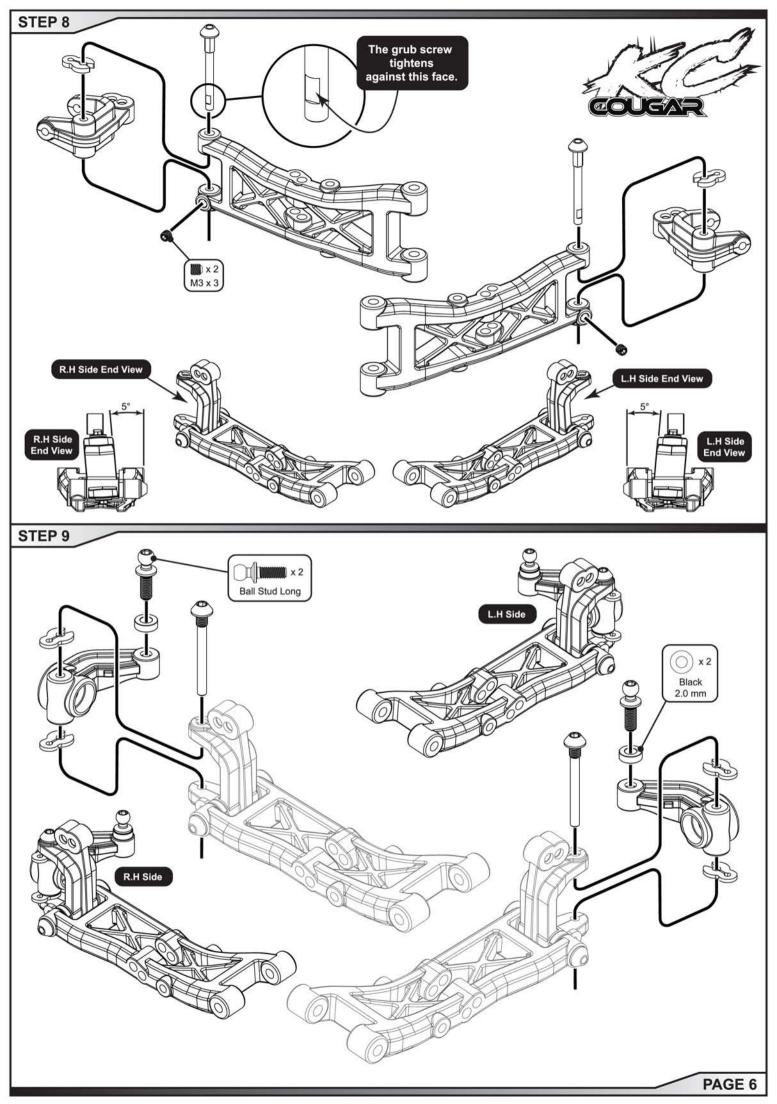
- This product is not suitable for children under the age of 14, without the direct supervision of a responsible adult.
- Select an area for assembly that is away from the reach of small children.
- The parts in this kit are small and can be swallowed by children causing choking and possible internal injuries.
- Exercise care when using hand tools and sharp instruments during assembly.
- Carefully read all manufacturers warnings and cautions for any additional items used in the construction.
- In line with our policy of continuous development the exact details of the kit may vary.
- DO NOT use this car on public roads or in places where it can interfere with traffic, people or animals.
- Always check the operation of the radio with the wheels off the ground, before using the car.
- Make sure the radio and car batteries are fully charged before use.
- Disconnect and remove the battery from the car when not in use.
- Always store and charge LiPo batteries in a fireproof container.
- DO NOT put fingers or any objects inside rotating or moving parts as this may cause injury.
- Make sure the charger is correctly set for the type of battery you are using. Incorrect charging may cause a fire.
- Insulate all exposed electrical wiring. Exposed or damaged wires can cause short circuits and fire.
- The motor and speed controller can become hot during use. DO NOT touch them immediately after using your car as this may cause injury.

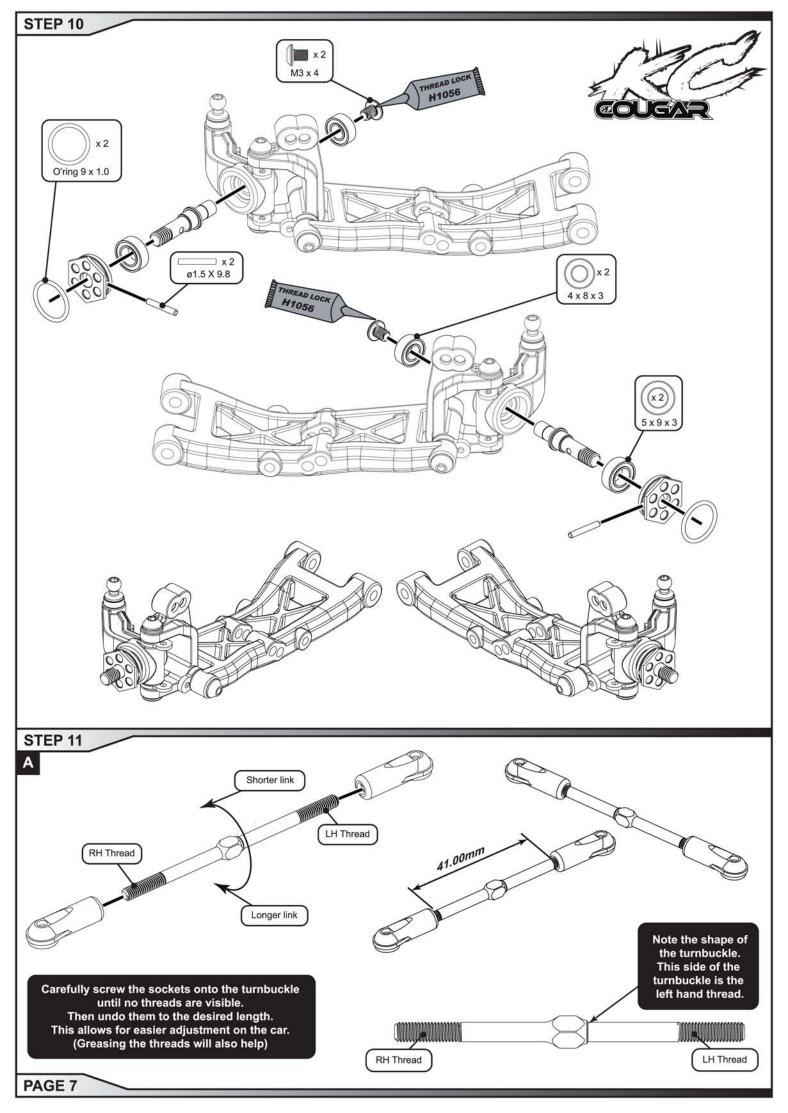


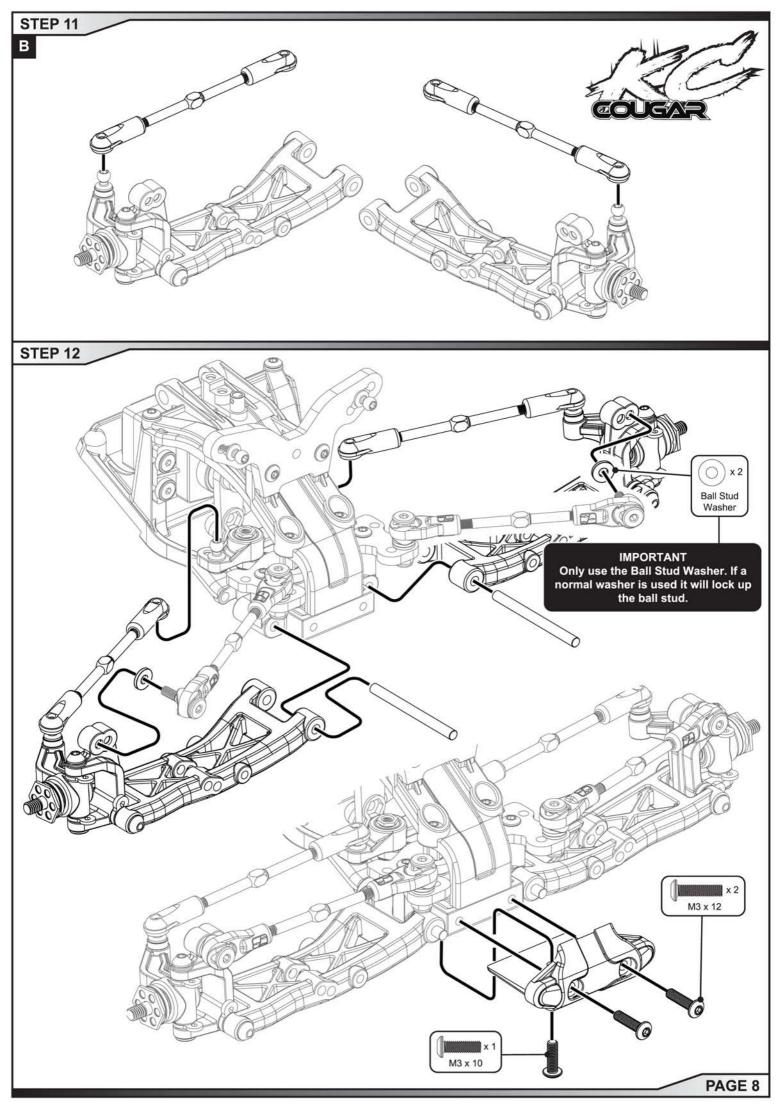


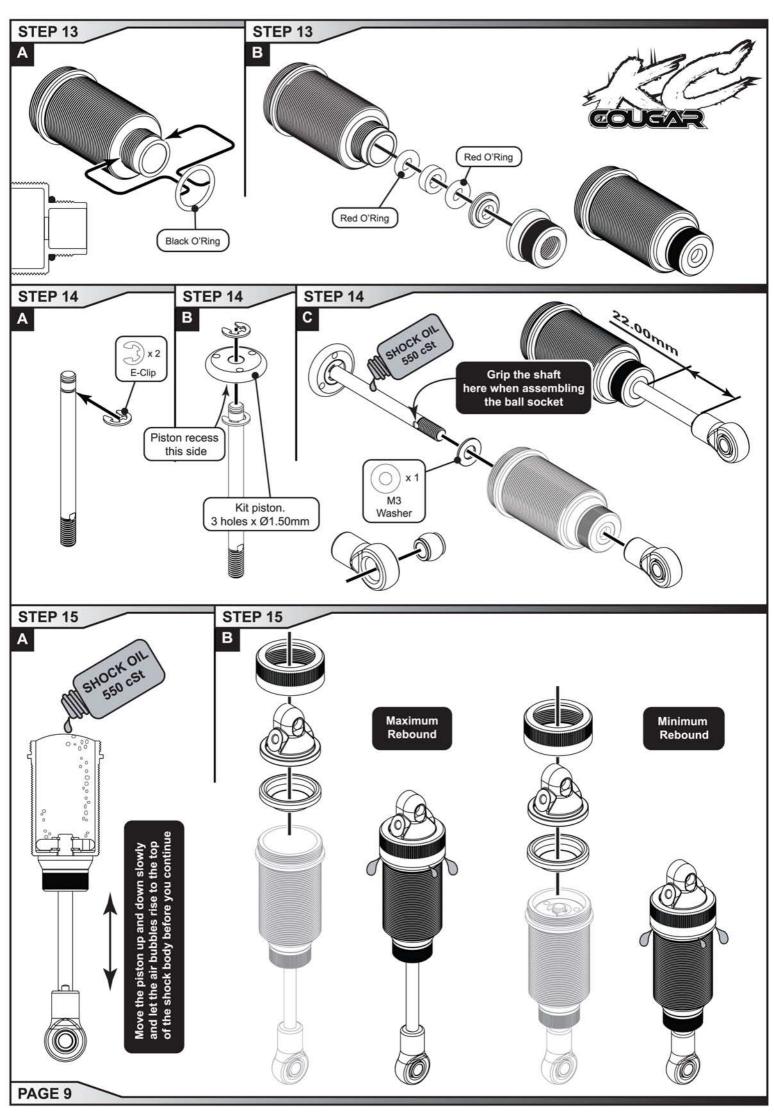


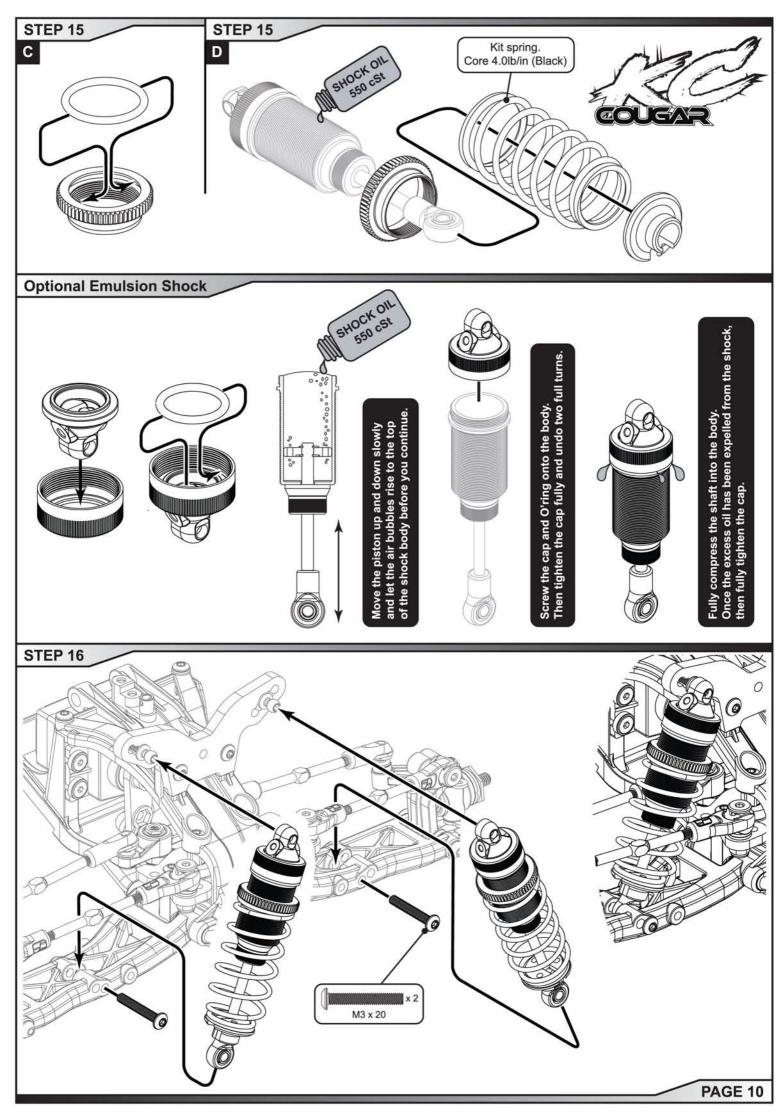


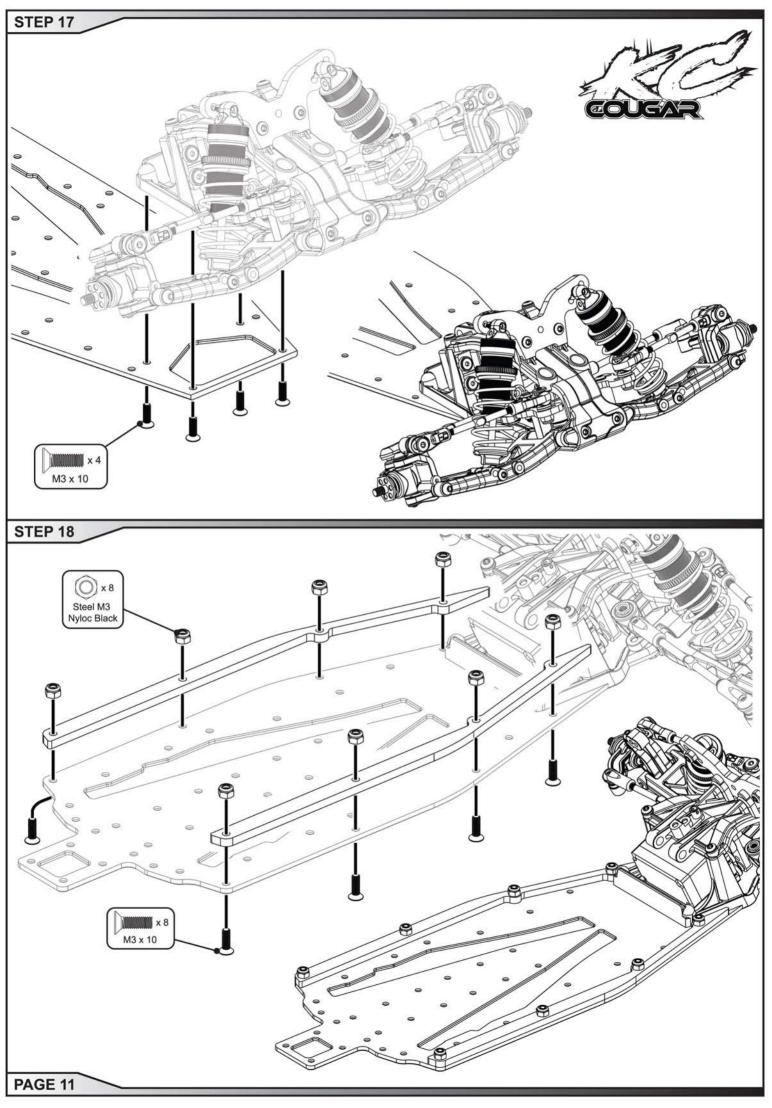


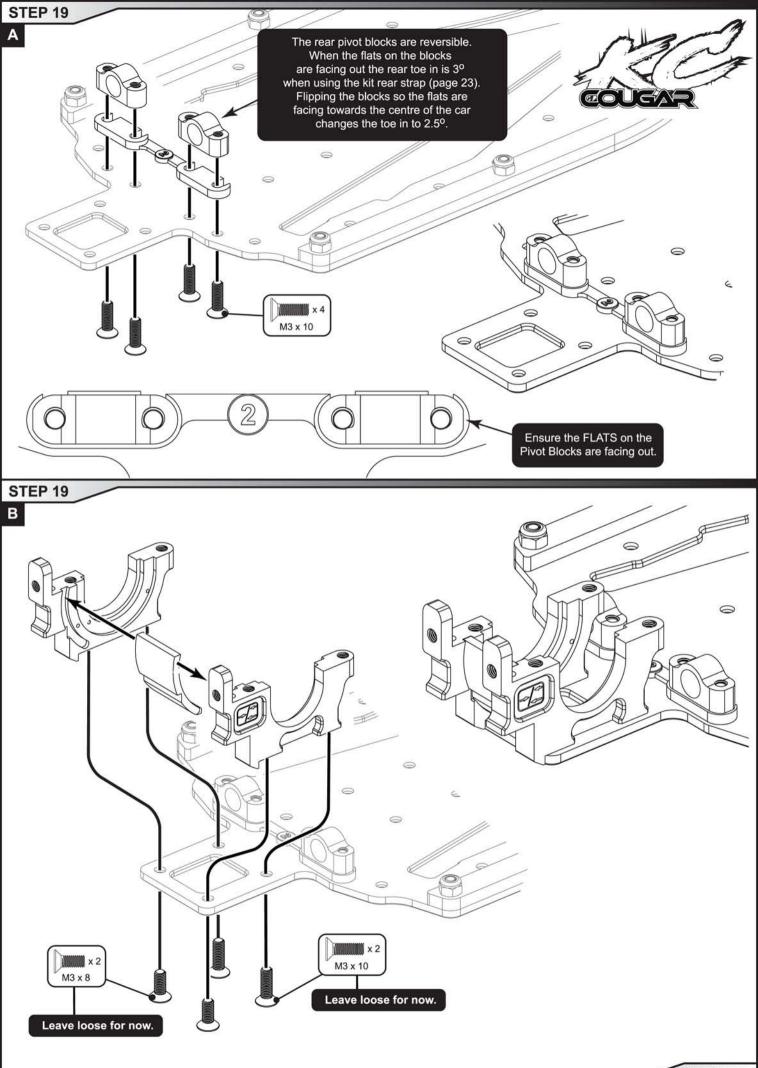


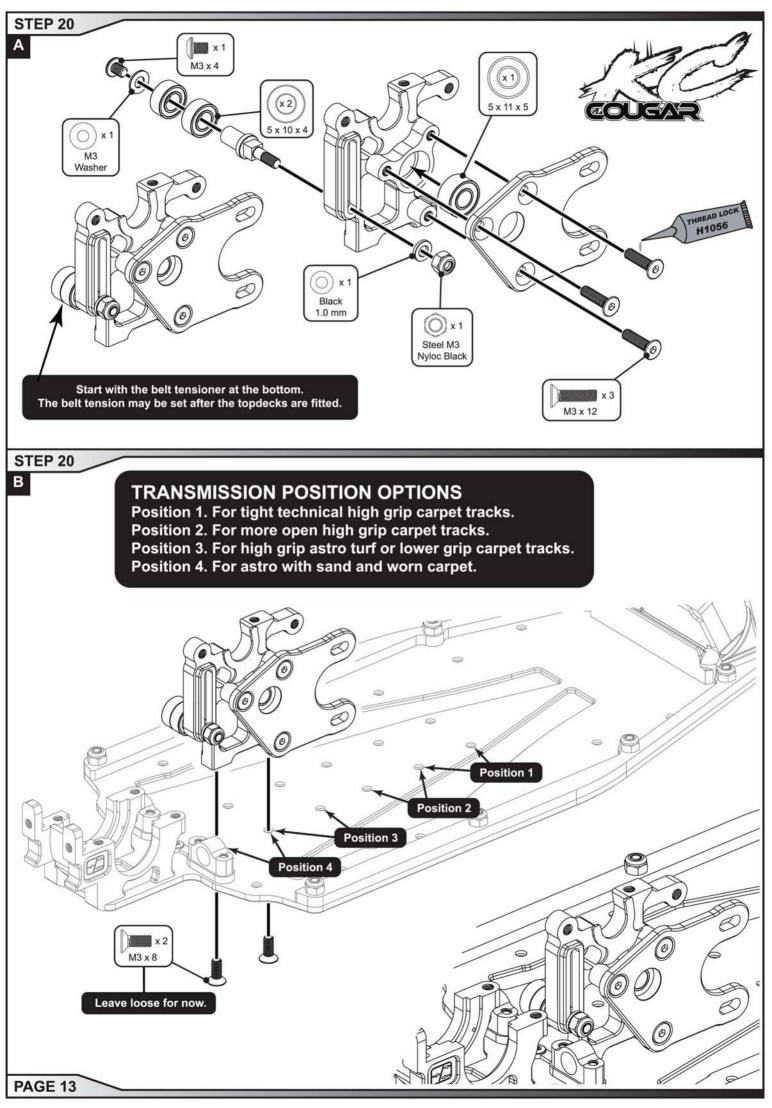


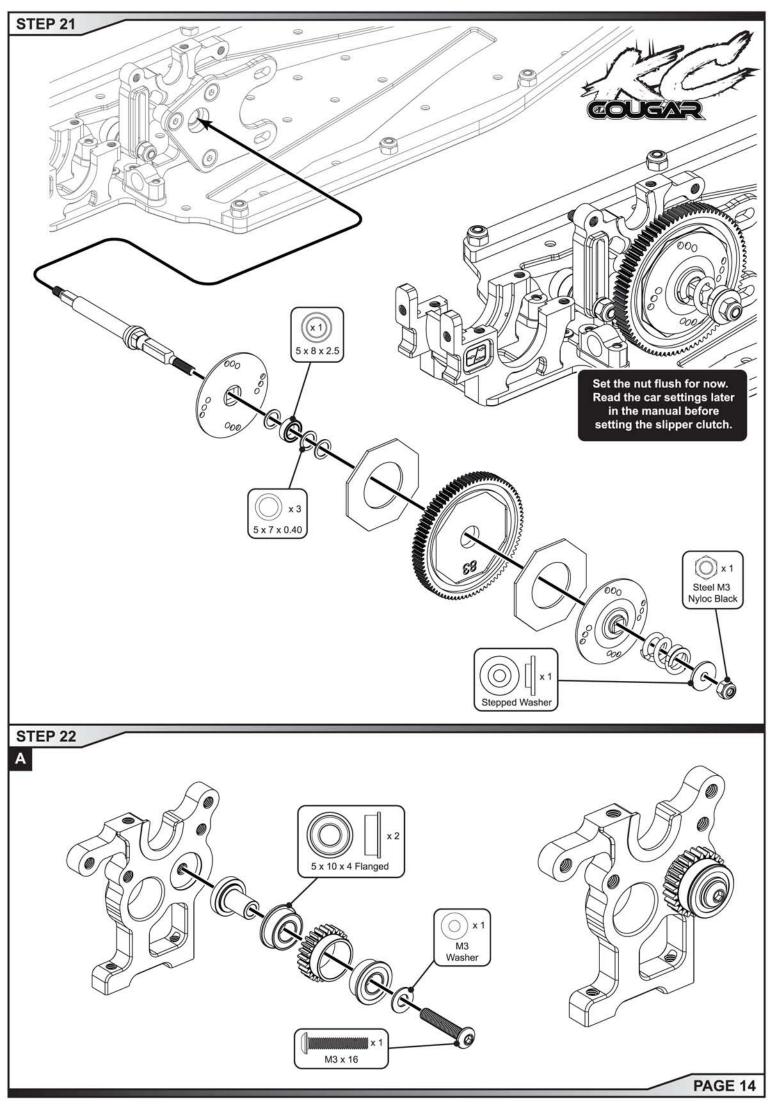


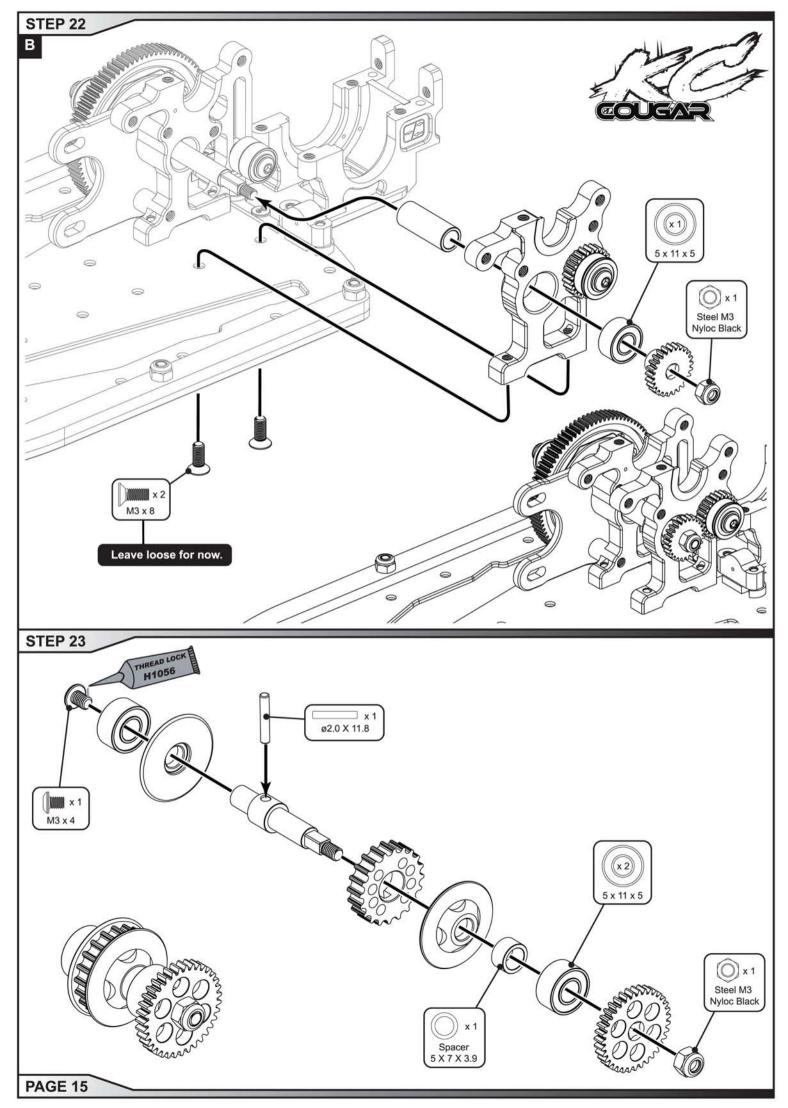


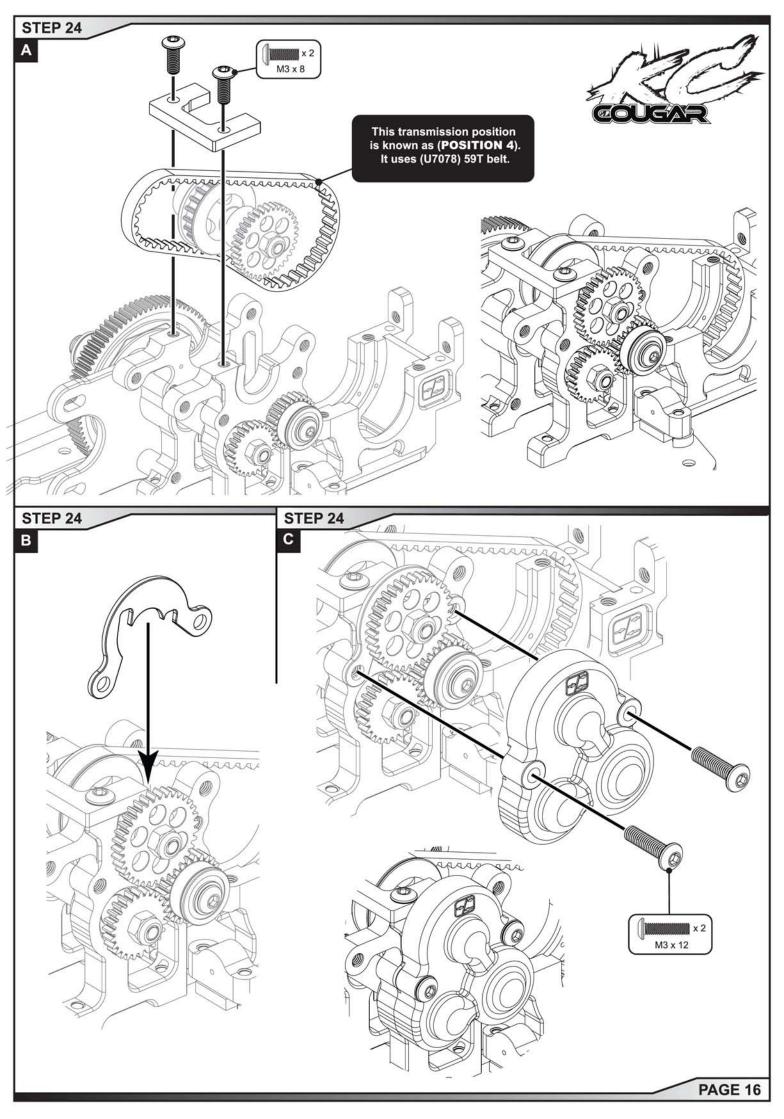


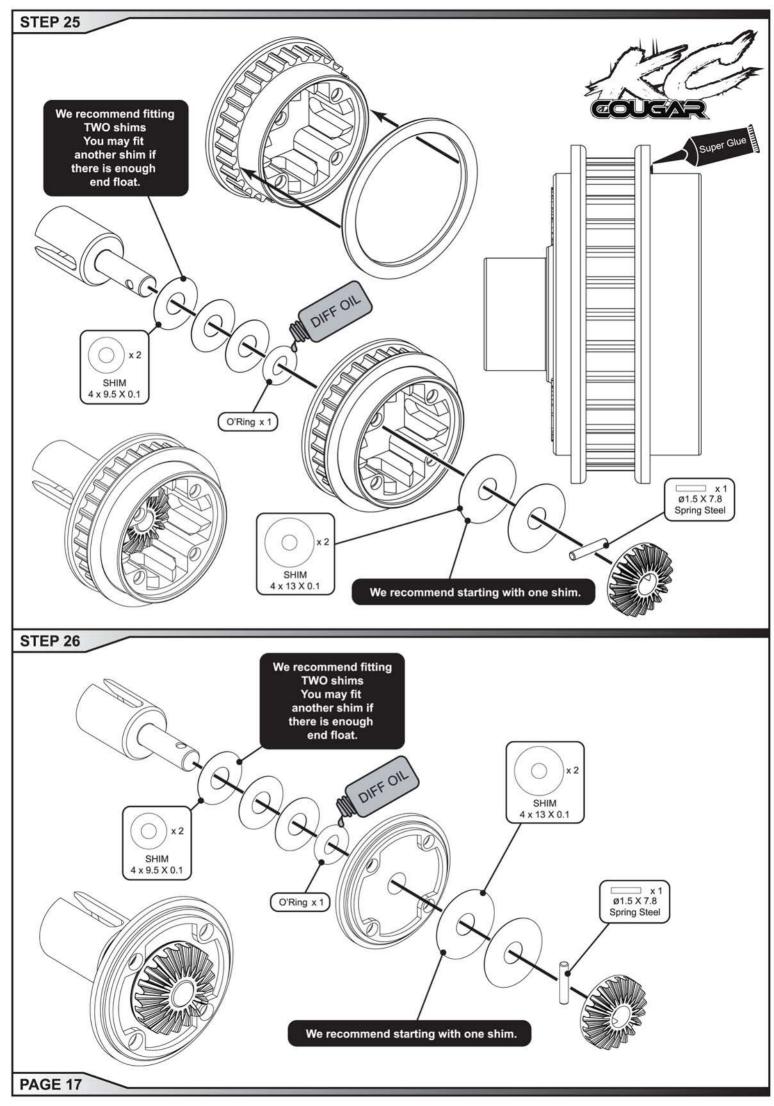


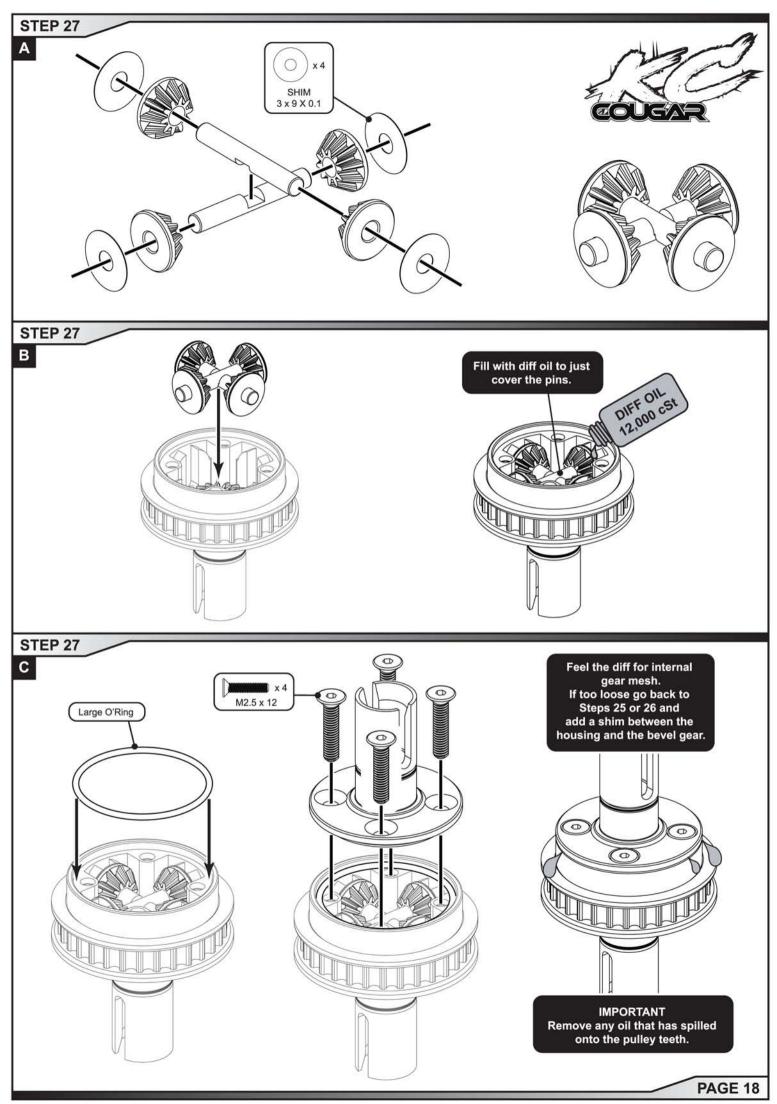


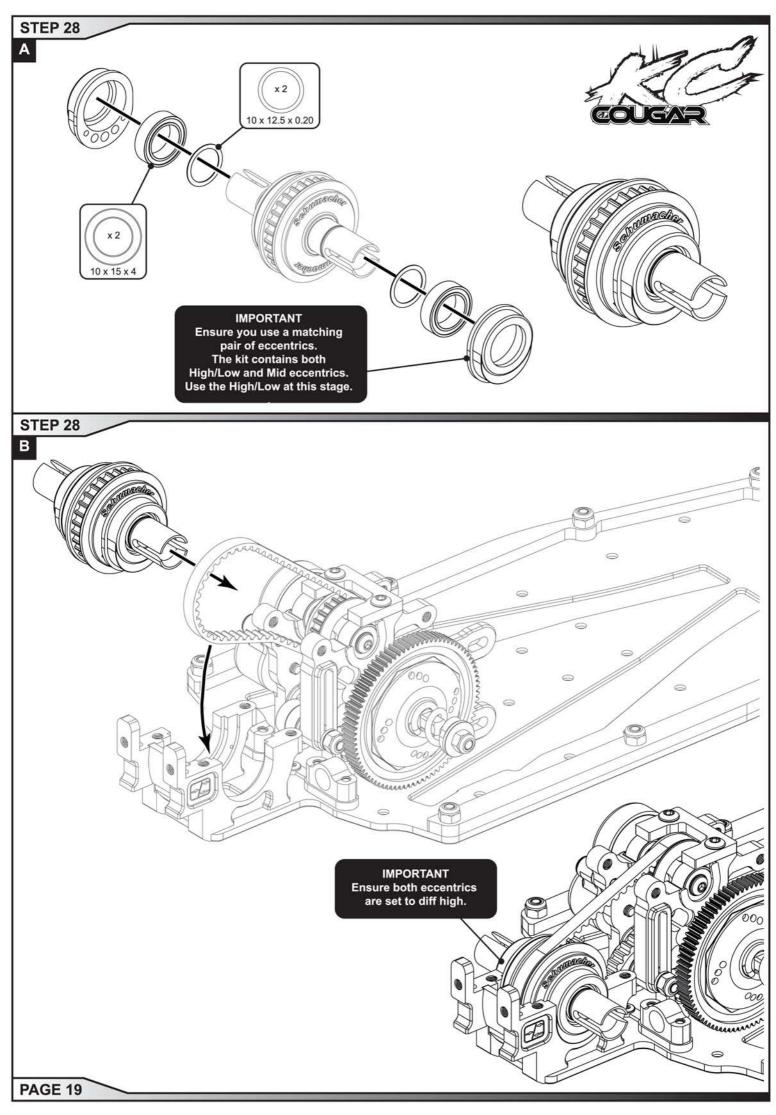


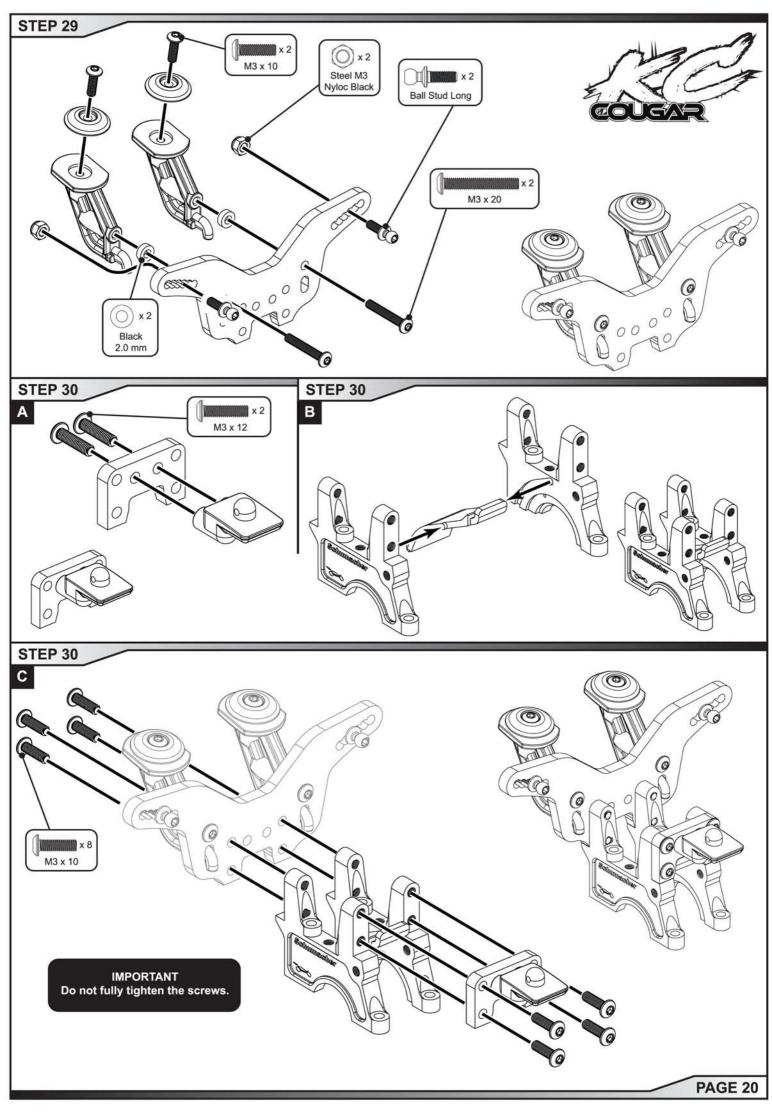


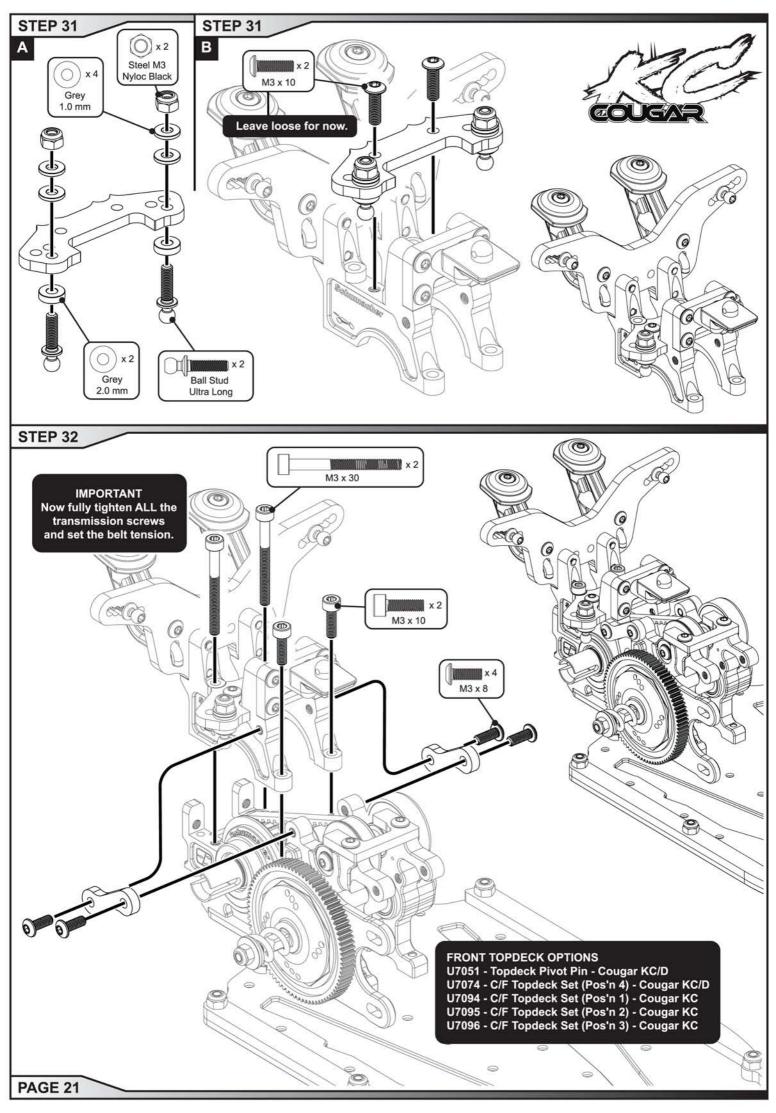


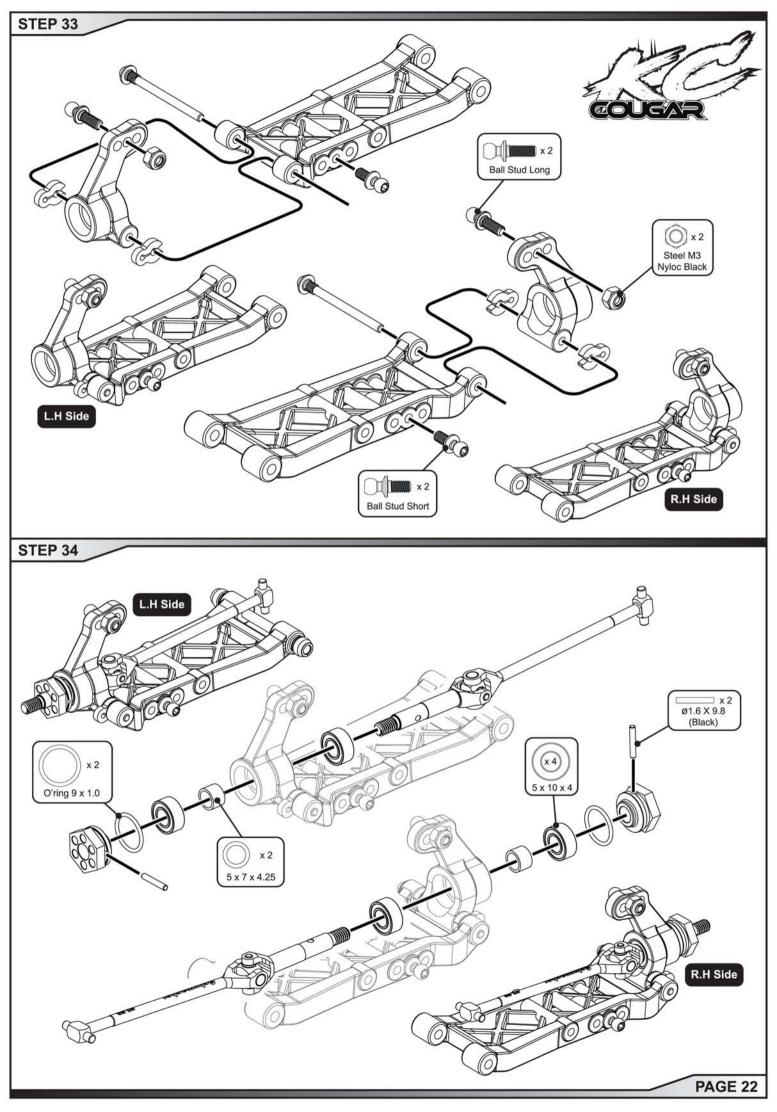


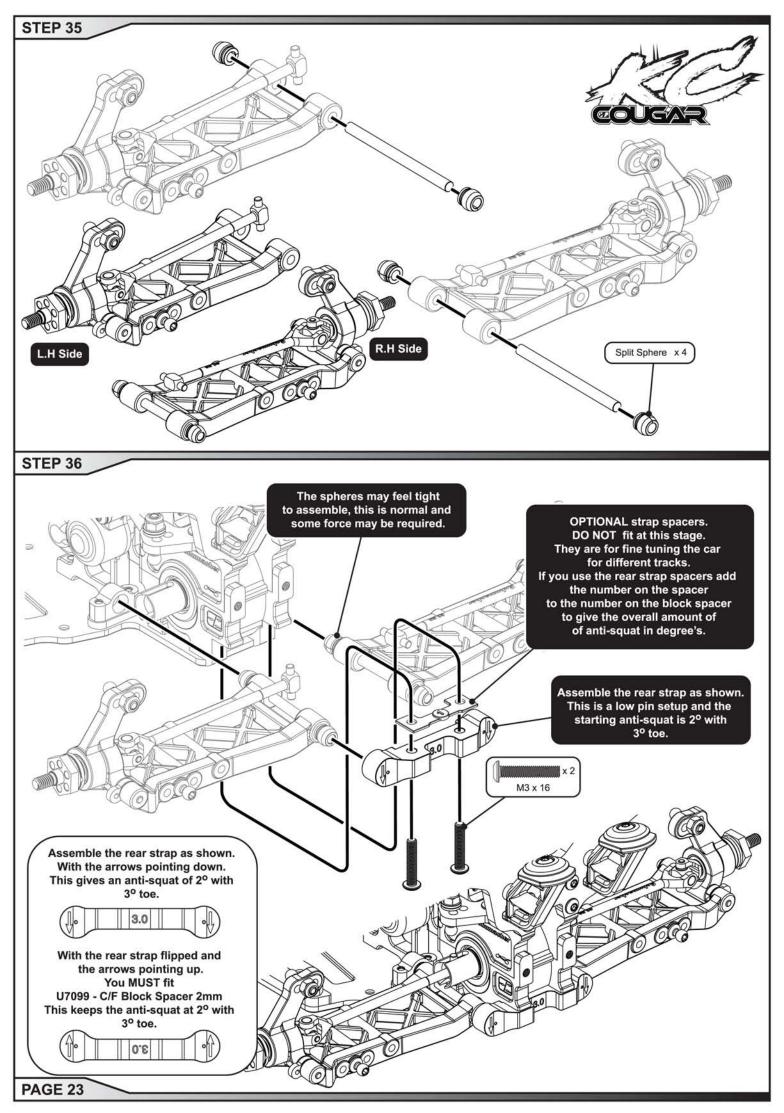


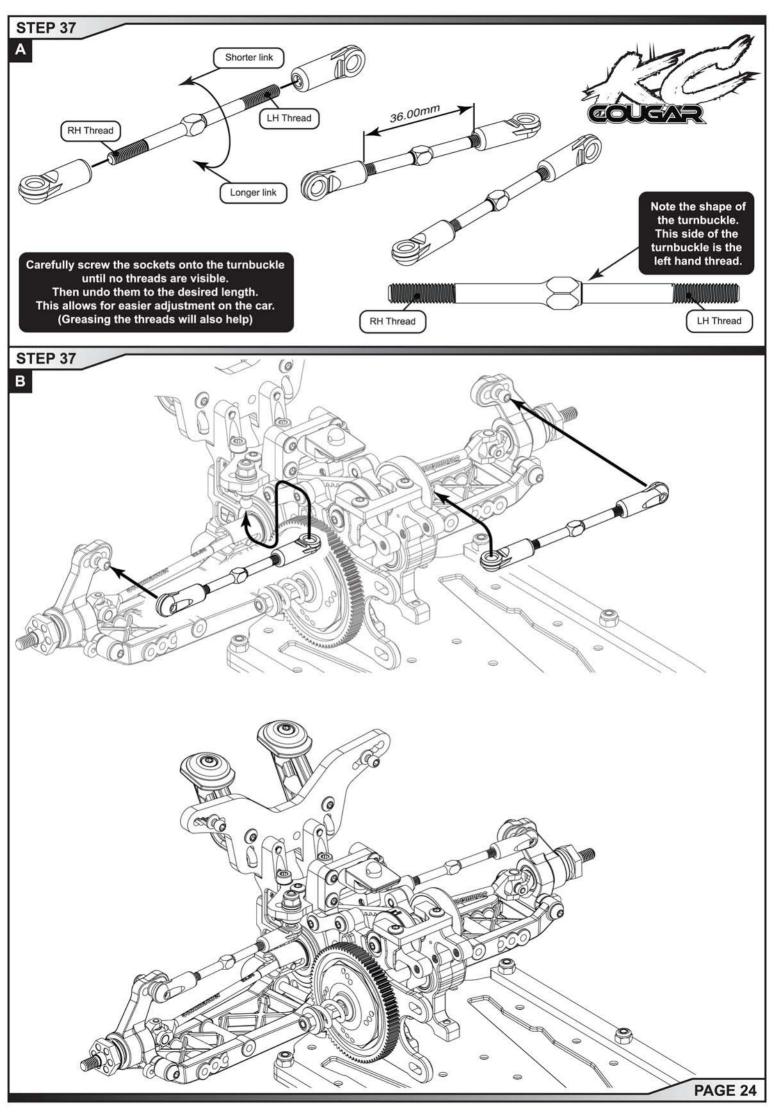












ELECTRIC - OFF ROAD CARS

K170 Cougar KC - Kit

CHASSIS PARTS

Aerial Tube - Pack 4 U119

U2231 Servo Arms

U3690 Front Bumper - Cougar SV/SV2/KR/KF

U3691 Servo Spacer - Cougar SV/SV2/KR/KF

U3850 Wing Mount Set - Off Road

U4031 Front Body Post - Cougar SV2

U4765 Lipo Post Nut - CAT K2 - (2pcs)

U4773 Aerial Mount - CAT K2

U4778 LiPo Stops - CAT K2 - (4pcs)

U7033 Instruction Manual - Cougar KC

Alloy Chassis - Cougar KC/D U7034

U7035 C/F Side Pods - Cougar KC/D

U7036 C/F Front Shock Mount - Cougar KC/D

U7037 C/F Rear Shock Mount - Cougar KC/D

U7038 C/F Front Link Mount - Cougar KC/D

U7039 C/F Rear Link Mount - Cougar KC

U7040 C/F Rear Body Mount - Cougar KC

U7041 C/F Idler Shaft Retainer - Cougar KC

U7042

C/F Long Lipo Strap (pr) - Cougar KC/D C/F Short Lipo Strap (pr) - Cougar KC/D U7043

U7045 Lipo Posts Std - Cougar KC/D

U7046 Lipo Posts Short - Cougar KC/D

U7049 Body Mount Mouldings - Cougar KC/D

BODYSHELLS AND DECALS

U5129 Claw Wing & Insert - Clear

U5130 Claw Wing & Insert - White

U5131 Claw Wing & Insert - Black

U5132 Claw Wing & Insert - Carbon

U5134 Bodyshell+Decal+Window Mask - Cougar KC

U7092 Front Wing Mount Mouldings - Cougar KC/D

U7093 Front Wings - Cougar KC/D

SUSPENSION

U3708 Quick Clips 2.4 x 2.0mm (pk4) - 2WD/4WD

U3709 Radius Arms - Cougar - Pair

U3710 Centre Track Rod - Cougar

U3715 Pivot Pin; Screw Type 25mm pr

U3718 Pivot Pin; 38mm - Cougar SV/SV2/KR/KF

U3719 Pivot Pin; 45mm - Cougar SV

WishbonePivot Spheres - Cougar SV pk4 U3729

U3758 Yokes; 5 deg - Cougar

U4036 Hub Carrier; Rear Odeg - Cat/Cougar pr

U4055 Wishbones; Rear Kit - Cougar SV2

U4094 Bulkhead - Cougar

U4224 Turnbuckle Adjuster HTT - 60mm - pr

U4273 Pro Ball Stud Ultra Short - pk4

U4274 Pro Ball Stud Short - pk4

U4275 Pro Ball Stud Long - pk4

U4299 Turnbuckle HT - Touring 52mm - 1pr

U4380 Front Hub Carriers - Cougar KR/KF V2 -pr

U4381 Quick Clips 2.4 x 1.0mm (pk4) - 2WD/4WD

U4382 Front Axle - Cougar KR/KF - pr

U4462 Bottom Plate - Cougar KF

U4683 Suspension Block RH - KF2

U4684 Suspension Block LH - KF2 U4688

Steering Pivots Long - KF2 U4689 Steering Pivots Short - KF2

U4700 Pro Ball Stud - Ultra Long - (pk4)

U4704 Fluted Ball Grippa - Grey (pk8)

U4707 Short Ball Grippa - Grey (pk8)

U4736 Ball Stud Washer -CAT K2 - (8pcs)

Captive Ball Joint Short - CAT K2 - (4pcs) U4737

U4738 Captive Ball Joint long - CAT K2 - (4pcs)

U4783 Rear Outboard Pin - CAT K2 - (pr)

U7079 Front Outboard Pivot Pin (pr) - Cougar KC/D

U7080 Rear Suspension Strap - Cougar KC/D Front Wishbones Stiff - Cougar KC/D U7081

U7082 Rear Block Spacers - Cougar KC

U7083 Rear Strap Spacers - Cougar KC/D

U7133 Quik Clips 2.4x1.5mm (pk4) - 2WD/4WD



TRANSMISSION

U2761 Diff Shims; 10x12 (pk8)

U3351 Gear; 83t Spur - Slipper

U3364 Slipper Pad; PTFE Octagon pr

U4176 Gear Diff Gear Set - K1/KF

U4178 Gear Diff Output - K1/KF

U4195 Driveshafts; Rear - K1/KF pr

U4385 Gear Diff Rebuild Kit - Cougar KR

U4388 Alloy Wheel Hex Rear - Off Road - pr

U4389 Alloy Wheel Hex Front - 2WD -pr

U4486 Rear Wheel Bearing Spacers - Cougar KF - Pair

U4488 12mm Hex Drive Pins - Off Road U4669 Layshaft - KF2

U4672 Alloy Outer Slipper Plate - KF2

U4674 Slipper Spring Bush - KF2

U4677 20T Pulley - KF2

U4705 Alloy Inner Slipper Plate - KF2

U4712 Diff O-Rings - CAT, KF, KF2, Mi5, Mi6

U4757 25T Side Gear - CAT K2

U4758 35T Side Gear - CAT K2

U4771 20T Pulley Fences - CAT K2 (pr)

U7044 Rear Belt Idler - Cougar KC

U7052 Alloy Trans LH Lower - Cougar KC

U7053 Alloy Trans RH Lower - Cougar KC

U7054 Alloy Trans LH Upper - Cougar KC

U7055 Alloy Trans RH Upper - Cougar KC

U7056 Alloy Laymount LH - Cougar KC

U7057 Alloy Laymount RH - Cougar KC

U7058 Alloy Motor Plate - Cougar KC

U7059 Idler Shaft - Cougar KC

U7060 Idler Spacer - Cougar KC

U7061 Reverse Gear - Cougar KC

U7062 Reverse Post - Cougar KC

U7063 Front Roller Post - Cougar KC

U7064 Layshaft Spacer - Cougar KC

U7065 Slipper Spring - Long twin plate

U7066 Diff Output Pin (pr) - Cougar KC U7067 Gear Diff Mouldings - Cougar KC

U7068 Eccentrics - Cougar KC

U7069 Dirt Covers - Cougar KC

U7070 Side Covers - Cougar KC

U7075 Bando 113T x 4mm Belt - Cougar KC

U7076 Bando 99T x 4mm Belt - Cougar KC U7077 Bando 71T x 4mm Belt - Cougar KC

U7078 Bando 59T x 4mm Belt - Cougar KC

Gear Diff Complete - Cougar KC U7129

BIG BORE SHOCKS

RI-29101 Ride Shock Air Remover - Long

113667 Big Bore Shock; Seal Rebuild Kit - Off Rd pr

U3668 Big Bore Shock Rods; Med pr

U3669 Big Bore Shock Rods; Long pr

U3670 Big Bore Piston; 2 Hole White 1.5 (pr)

U3706 Rod End Ball + Socket - Cougar SV2 pr

U3770 Big Bore Piston; 3 Hole White 1.5 Rounded (pr)

U3782 HD Diaphragm Big Bore - pk4

U3937 **Shock Mouldings**

U4110 Off Road Shock O Ring 1/8 Silicone Pk 8

U4285 Pro Shock Seal Blue - On Road - pk8

U4371 Big Bore Shock Adjusting Collar (Black) - pr

U4451 Big Bore Shock Collar O-ring - pk4

U4490 Big Bore Shock Body Med V2 pr

U4491 Big Bore Shock Body Long V2 pr

U4701 Big Bore Piston - 3 Hole Black 1.6 Rounded (pr)

U4702 Shock Seal Housing V2 - Big Bore - (pr)



BIG BORE SHOCKS Cont....

U4707	Short Ball Grippa - Grey (pk8)
U7084	Shock Top Ring (pr) - Cougar KC/D
U7085	Shock Top (pr) - Cougar KC/D
U7086	Big Bore Piston - 2 Hole Black 1.60 (pr
U7087	Big Bore Piston - 2 Hole Red 1.70 (pr)
U7131	Front Shocks (Springs NOT Included) -

- Cougar KC/D U7132 Rear Shocks (Springs NOT Included) - Cougar KC/D

BIG BORE SPRINGS

DIG DO	RE SPRINGS
CR177	CORE RC Big Bore Spring Tuning Set; Med 7prs
CR178	CORE RC Big Bore Spring Tuning Set; Long 5prs
CR179	Big Bore Spring; Med White - 2.8 pr
CR180	Big Bore Spring; Med Red - 3.1 pr
CR181	Big Bore Spring; Med Green - 3.4 pr
CR182	Big Bore Spring; Med Blue - 3.7 pr
CR183	Big Bore Spring; Med Black - 4.0 pr
CR184	Big Bore Spring; Long White - 1.8 pr
CR185	Big Bore Spring; Long Red - 2.0 pr
CR186	Big Bore Spring; Long Green - 2.2 pr
CR187	Big Bore Spring; Long Blue - 2.4 pr
CR188	Big Bore Spring; Long Black - 2.6 pr
CR635	Big Bore Spring; Med Orange - 4.3 pr
CR636	Big Bore Spring; Med Yellow - 4.6 pr
U3673	Big Bore Spring Tuning Set; Med 7prs
U3675	Big Bore Spring; Med - 2.0 pr
U3676	Big Bore Spring; Med - 2.5 pr
U3677	Big Bore Spring; Med - 3.0 pr
U3678	Big Bore Spring; Med - 3.5 pr
U3679	Big Bore Spring; Med - 4.0 pr
U3680	Big Bore Spring; Med - 4.5 pr
U3681	Big Bore Spring; Med - 5.0 pr
U3682	Big Bore Spring; Long - 1.6 pr
U3683	Big Bore Spring; Long - 2.0 pr
U3684	Big Bore Spring; Long - 2.5 pr
U3685	Big Bore Spring; Long - 3.0 pr
U3686	Big Bore Spring; Long - 3.5 pr
	CR177 CR178 CR179 CR180 CR181 CR182 CR183 CR184 CR185 CR186 CR187 CR188 CR635 CR636 U3673 U3675 U3676 U3677 U3678 U3679 U3680 U3681 U3682 U3683 U3684 U3685

BEARINGS AND BALLS

U3687 Big Bore Spring; Long - 4.0 pr

G200	ZX1 - Microlube
H1031	Bearing Blaster Aerosol 500ml
U1300	Axle Grease - Pot
U1301	Silicone Diff Lube - Pot
U1439	Ball Bearing - 5x9x3 Shield - (pr)
U1957	Moly Grease - Pot
U2574	Ball Bearing - 5x9x2.5 Open - (pr)
U2698	Ball Bearing - 5x10x4 Red Seal - (pr)
U2699	Ball Bearing - 10x15x4 Red Seal - (pr)
U3075	Ball Bearing - 4x8x3mm Red Seal - (pr)
U3136	Ball Bearing - 5x8x2.5 - Shield (pr)
U3871	Ball Bearing - 5x9x3 Red Seal - (pr)
U7088	Ball Bearing 5x10x4 Red Seal FL - (pr)
U7089	Ball Bearing 5x11x5 Red Seal - (pr)
U7030	Diff Balls T/C 2.5mm (pk14

SPEED PACKS

CR024	CORE RC - Serrated M4 Steel Wheel Nut pk4
CR035	CORE RC - Serrated Alloy M4 Nuts; Blue pk 4
CR036	CORE RC - Serrated Alloy M4 Nuts; Violet pk 4
CR061	Small Body Clip 1/10 - Silver (8)
CR062	Small Body Clip 1/10 - Gold (8)
CR063	Small Body Clip 1/10 - Fluorescent Yellow (8)
CR064	Small Body Clip 1/10 - Fluorescent Green (8)
CR065	Small Body Clip 1/10 - Fluorescent Red (8)
CR066	Small Body Clip 1/10 - Metallic Green (8)
CR067	Small Body Clip 1/10 - Metallic Red (8)
CR068	Small Body Clip 1/10 - Metallic Blue (8)
CR069	Small Body Clip 1/10 - Metallic Purple (8)

SPEED PACKS Cont....

U1548	SPEED PACK - M3 Washers
U1550	SPEED PK-Socket Wrenches-1.5/2.0/2.5/3.0mm
U1551	SPEED PACK - E Clips -2 x 8pcs
U1552	SPEED PACK - R Clips
U1606	SPEED PACK - Servo Tape - 30pk
U1633	SPEED PACK - Small Pins (pk)
114000	ODEED BAOK O Diversity

CR196 Core RC - Serrated Alloy M4 Nuts - Black - pk4

U1960 SPEED PACK - O Rings; Various SPEED PACK - Grub-Set Screws M3 M4 U2128 U2187 SPEED PACK - M3 Nyloc Nut - Purple Alloy (pk8)

U2631 SPEED PACK - Circlips Various 15 pcs U2856 SPEED PACK - Sticky Cable Clips (pk10) U2857 SPEED PACK - Small Cable Ties (pk25)

U2988 SPEED PACK - M3 Csk Washers - Purple Alloy (pk10) U3021

SPEED PACK - M3x6 Csk Hd - (pk10) U3022 SPEED PACK - M3x8 Csk Hd - (pk10) U3023 SPEED PACK - M3x10 Csk Hd - (pk10)

U3131 SPEED PACK - Alloy Spacers M3x7mm 0.5;1;2mm (pk18)

U3572 SPEED PACK - M3x14 Grub Srew pk4 U3755 SPEED PACK - M3x16 Unbrako Button Hd U3938 SPEED PACK - Black nylon washer 2mm (pk 10) U4124 SPEED PACK - Shims 5 x 7 x 0.4mm - pk6 U4155 SPEED PACK - M3 Csk Washers - Black Alloy (pk10) U4210 SPEED PACK - Pinion Grub Screw Set pk10

U4241 SPEED PACK - M3 Alloy Nyloc Nuts - Black - pk10 U4314 SPEED PACK - Alloy Black M3 Washers - 18pc U4351 SPEED PACK - Shims 3.2x6x0.1mm - pk8

U4650 SPEED PACK - M3 Nyloc Nut Steel - Black (10pcs) U4662 SPEED PACK - M3x4 Grub Screw - Cone Point (10pcs)

U4835 SPEED PACK - M3 Steel Nut Black (pk8) U7090 SPEED PACK - M4x20 Grub Screw (pk4) U7102 SPEED PACK - M3x4 Button Hd (pk10) U7103 SPEED PACK - M3x6 Button Hd (pk10) U7104 SPEED PACK - M3x8 Button Hd (pk10) U7105 SPEED PACK - M3x10 Button Hd (pk10) U7106 SPEED PACK - M3x12 Button Hd (pk10) U7107 SPEED PACK - M3x16 Button Hd (pk10)

U7112 SPEED PACK - M3x8 Cap Hd (pk10) U7113 SPEED PACK - M3x10 Cap Hd (pk10) U7118 SPEED PACK - M3x30 Cap Hd (pk10)

U7108 SPEED PACK - M3x20 Button Hd (pk10)

U7121 SPEED PACK - M2.5x12 Csk Hd (pk10) U7122 SPEED PACK - M3x12 Csk Hd (pk10)

SPEED SECRET - OPTION PARTS

CR043 CORE RC - Silver X-Weights 16pcs CR058 CORE RC - Black X-Weights 16pcs CR192 Alloy Servo Arm 25T - Futaba Short Alloy Servo Arm 23T - KO/Sanwa Short CR193 MR-CSOFFROAD MR33 Car Stand Off Road S500B Schumacher BANNER 6x3ft

U1573 Titanium Turnbuckle: purple - 53mm (pr) U1574 Titanium Turnbuckle; purple - 60mm (pr)

U1954 Pro - Thrust Bearing

U3790

U2566 Titanium Turnbuckle; purple - 45mm (pr)

U3348 Gear; CNC 80t Spur - Slipper U3350 Gear; CNC 82t Spur - Slipper U3499 Roll Bar Blocks - Mi4 pk4

U3605 Alloy Rear Hubs; 1 deg - CAT/Cougar Yokes; 0 deg - Cougar SV/SV2/KR/KF U3712 U3740 Diff Washers; 18mm - Cougar SV Diff Output; Male - Cougar SV U3750 U3751 Diff Output; Female - Cougar SV

Gear; CNC 76T Spur - Slipper U4054 Wishbones Rear Medium - Cougar SV2

SPEED SECRET - OPTION PARTS Cont...

- Turnbuckle Adjuster HTT 45mm pr
- U4226 Gear; CNC 71T Spur - Slipper
- Alloy Yokes 2WD 5deg Cougar U4228
- Skid Plate Cougar U4378
- U4550 Roll Bar Clamps - Mi5evo - (pk4)
- U4619 Alloy Center Track Rod - 2WD
- U4620 Alloy Hub Carrier 2WD Front L/R - pr
- U4670 Slipper Cage - KF2
- U4671 Mid Slipper Plate - KF2
- U4673 Slipper Spring- KF2
- U4703 Alloy Yokes 0deg - 2wd
- U4719 Alloy Pivot Block 4/1.5 deg KF2 - pair
- U4800 Rear Roll Bar Ball - Black - CAT K2 - (2pcs)
- U4860 Narrow Wheel Hex - Rear - pr
- Alloy Spring Seat Off Road pr U4890
- U4996 Ball Diff Complete - Cougar KC
- U4997 Ball Diff Pulley and Fences - Cougar KC
- U4998 Alloy Rear Hub Carriers + Inserts - 2WD/4WD
- U4999 Front Brass Weight - Cougar KC/D
- U7031 Socket Grey 8mm (pk4)
- U7047 Wide Brass Rear Strap - Cougar KC/D
- U7048 Alloy Rear Link Mount - Cougar KC
- U7050 Multi Plate Slipper Conversion - Cougar KC/D
- U7051 Topdeck Pivot Pin - Cougar KC/D
- Front Roll Bar Kit Cougar KC/D U7072
- U7074 C/F Topdeck Set (Pos'n 4) - Cougar KC/D
- Front Wing Mount Kit Cougar KC/D U7091
- Front Wing Mount Mouldings Cougar KC/D U7092
- U7093 Front Wings - Cougar KC/D
- U7094 C/F Topdeck Set (Pos'n 1) - Cougar KC
- C/F Topdeck Set (Pos'n 2) Cougar KC U7095
- U7096 C/F Topdeck Set (Pos'n 3) - Cougar KC
- U7097 C/F Chassis - Cougar KC/D
- U7098 Alloy Sidepods (pr) - Cougar KC/D
- U7099 C/F Block Spacer 2mm - Cougar KC
- U7100 Rear Roll Bar Kit - Cougar KC
- Ball Diff Rebuild Kit Cougar KC U7110
- Alloy Front Link Mount Cougar KC/D U7134
- Front Wishbones Med Cougar KC/D U7135
- U7137 Cougar KC to KD Conversion Kit Cougar KC

SHOCK AND DIFF OIL

- CR200 CORE RC Silicone Oil 100cSt 60ml
- CR201 CORE RC Silicone Oil 150cSt 60ml
- CR202 CORE RC Silicone Oil 200cSt 60ml
- CR203 CORE RC Silicone Oil 250cSt 60ml
- CR204 CORE RC Silicone Oil 300cSt 60ml CR205 CORE RC Silicone Oil - 350cSt - 60ml
- CR206 CORE RC Silicone Oil 400cSt 60ml
- CR207 CORE RC Silicone Oil 450cSt 60ml
- CR208 CORE RC Silicone Oil 500cSt 60ml
- CR209 CORE RC Silicone Oil 550cSt 60ml
- CR210 CORE RC Silicone Oil 600cSt 60ml
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- CR212 CORE RC Silicone Oil 800cSt 60ml
- CR213 CORE RC Silicone Oil 900cSt 60ml
- CR214 CORE RC Silicone Oil 1000cSt 60ml
- CR215 CORE RC Silicone Oil 1300cSt 60ml
- CR216 CORE RC Silicone Oil 2000cSt 60ml
- CR217 CORE RC Silicone Oil 3000cSt 60ml CR218 CORE RC Silicone Oil - 4000cSt - 60ml
- CR219 CORE RC Silicone Oil 5000cSt 60ml
- CR220 CORE RC Silicone Oil 6000cSt 60ml
- CR221 CORE RC Silicone Oil 7000cSt 60ml
- CR222 CORE RC Silicone Oil 10000cSt 60ml
- CR223 CORE RC Silicone Oil 20000cSt 60ml
- CR224 CORE RC Silicone Oil 30000cSt 60ml
- CR225 CORE RC Silicone Oil 40000cSt 60ml
- CR226 CORE RC Silicone Oil 50000cSt 60ml CR227 CORE RC Silicone Oil - 100000cSt - 60ml
- CR228 CORE RC Silicone Oil 300000cSt 60ml
- CR229 CORE RC Silicone Oil 12000cSt 60ml
- CR230 CORE RC Silicone Oil 15000cSt 60ml



SHOCK AND DIFF OIL Cont....

- Pure Silicone Shock Oil 10w G010
- G015 Pure Silicone Shock Oil - 15w
- G020 Pure Silicone Shock Oil - 20w G025 Pure Silicone Shock Oil - 25w
- MR33-OB MR33 New Oil Bag

PINIONS

- 16T Steel Pinion 48 D.P. U2305
- U2306 17T Steel Pinion - 48 D.P.
- 18T Steel Pinion 48 D.P.
- U2307
- U2308 19T Steel Pinion - 48 D.P.
- 20T Steel Pinion 48 D.P. U2309
- 21T Steel Pinion 48 D.P. U2310
- 22T Steel Pinion 48 D.P. U2311
- U2312 23T Steel Pinion - 48 D.P.
- U2313 24T Steel Pinion - 48 D.P.
- 25T Steel Pinion 48 D.P. U2314
- U2315 26T Steel Pinion - 48 D.P. 27T Steel Pinion - 48 D.P.
- U2316 28T Steel Pinion - 48 D.P.
- U2317 U2318 29T Steel Pinion - 48 D.P.
- U3417
- Pinion; Hard Alloy 48dp 17T
- Pinion; Hard Alloy 48dp 18T U3418 Pinion; Hard Alloy 48dp - 19T U3419
- U3420 Pinion; Hard Alloy 48dp - 20T
- U3421 Pinion; Hard Alloy 48dp - 21T
- U3422 Pinion; Hard Alloy 48dp - 22T
- U3423 Pinion; Hard Alloy 48dp - 23T
- Pinion; Hard Alloy 48dp 24T U3424
- Pinion; Hard Alloy 48dp 25T U3425 U3426 Pinion; Hard Alloy 48dp - 26T
- U3427 Pinion; Hard Alloy 48dp - 27T
- U3428 Pinion; Hard Alloy 48dp - 28T
- U3429 Pinion; Hard Alloy 48dp - 29T
- U3430 Pinion; Hard Alloy 48dp - 30T U3431 Pinion; Hard Alloy 48dp - 31T
- U3432 Pinion; Hard Alloy 48dp - 32T

ELECTRONICS

- CR162 CORE RC Sensor Checking Widget
- CR195 Portable Emergency 60W Soldering Iron
- CR249 Futaba Servo Wires Black
- CR250 JR Servo Wires Black
- ED199502 EDS Ultra Bright L.E.D. Light Stand
- MR33-GOLD2 4mm Gold Connectors pk 4
- SK-500015 Corner Weight System
- SK-600089-01 LED Pit Light 11-18V DC Black
- SK-600089-02 LED Pit Light 11-18V DC Blue

SERVOS

- CR495 CORE RC 9009LP Low Profile Servo 8Kg .09 Sec
- CR496 CORE RC 9008TG Digital Servo 9Kg .08 Sec
- CR497 CORE RC 1012TG Digital Servo 10Kg .12 Sec
- HSDR420 Servo (Speed) 1/10 .07s 6.2kg
- HSDS1000 Servo (Speed) 1/10 .08s 10.2kg
- HSDS400 Servo (Speed) 1/10 .09s 7.2kg
- HSDS700 Servo (Speed) 1/10 .08s 9.9kg HSDT450 Servo (Torque) 1/10 .11s 7.9kg
- HSDT750 Servo (Torque) 1/10 HV .12s 13.8kg
- KO30049Servo PDS-2501ICS .12 7.4Kg
- KO30050Servo PDS-2502ICS .15 8.3Kg
- KO30051Servo PDS-2511ICS .13 9.6Kg KO30052Servo - PDS-2512ICS - .16 - 10.8Kg
- KO30059Servo PDS-2531ICS Yellow .13 9.5Kg

SERVOS Cont...

KO30104Servo - RSx one 10 low profile - .10 - 10Kg

KO30105Servo - RSx one 10 Response Low Profile-.09-7K

KO30106Servo - RSx2 Response HC - .07 - 14.5Kg KO30108Servo - RSx2 Response - .07 - 14.5Kg

KO30120RSx-One 10 Type-S

KO30201Servo - BSx2 Response HC - .09 - 15.4Kg KO30203Servo - BSx2 Response - .09 - 15.4Kg

KO30207Servo - BSx2-one 10 Grasper

SA107A53471A SDX-801 Low Profile Digital Servo

SA107A54061A ERS-971 Low Profile HS Digital WP Servo

SA107A54071A ERS-961 High Speed Ti Gear WP Servo

SA107A54081A ERS-962 Hi Torque St Gear WP Servo

SA107A54371A SRG-LS Servo SA107A54381A SRG-BX Servo

SA107A54383A SRG-BS Servo

SA107A54385A SRG-BX - Type R - Servo

SA107A54401A Low Profile Servo - HVS-702

TRANSMITTERS AND RECEIVERS

CR151 CODE 2.4G FHSS LCD 2 Stick TxRx

CR152 CODE 2.4G FHSS LCD - Rx Only

CR153 CODE 2.4G FHSS Sport 2 Stick TxRx

CR154 CODE 2.4G FHSS Sport - Rx Only

CR155 Antenna 2.4G

CR277 CODE 2.4G FHSS Steerwheel Radio TxRx

CR278 CODE 2.4G FHSS - Rx Only

CR498 Battery Holder - Code Stick Transmitter

KO21007KR-413FH Micro Receiver

KO80540EX-1 Ver 3 (KIY) KR-413FH Set - TX + RX

KO80700Esprit IV - Stick Radio Set

SA101A30885A MX-V Radio Set

SA101A31671A M12S Radio Set

SA101A31691A M12S Radio Set - Ltd Ed-Piano Black

SA101A32171A MT-44 Radio Set - w/RX-482

SA101A31871A MT-4S Radio Set

SA101A31971A MT-S Radio Set SA101A32071A EXZES ZZ Radio Set

SA101A32075A EXZES ZZ Radio Set-Ltd Ed-Piano Black

SA107A40843A RX-371FS FHSS-2 Receiver

SA107A40973A RX-451R Receiver

SA107A41044A RX-461 Receiver for MT-4

SA107A41074A RX-380 FHSS-3 Receiver

SA107A41111A RX-471 Receiver

SA107A41117A RX-472 Telemetry/SSL Receiver

SA107A41131A RX-471WP FH4 Waterproof Receiver

SA107A41144A RX-371WP FHSS-2 Waterproof Receiver

SA107A41151A RX-471 Dual ID Receiver

SA107A41251A RX-481 Receiver

SA107A41257A RX-482 Telemetry/SSL Receiver

CHARGERS AND DISCHARGERS

CR031 UDC Charger Connector Set - 8pcs

CR114 UDC Balance Adaptor Set JST-XH to JST-EH 2-6S

CR161 UAC50 Charger 12v/110-240v 6A

NR91400 Sigma Power Charger

NR91555 Stealth Touch Evolution Charger

NR93160 Nosram Power Supply 13.8V / 20A

NR95815 Nosram Universal Charging Lead-Tamiya/JST Plug

NR95816 Nosram Universal Chg Lead-2S Lipo H/Case/Bal Adpt

NR95817 Nosram Universal Chg Lead- US-Style Plug

SK-100013 SKY RC - Quattro B6 Charger 50Wx4 AC/DC

SK-100064 T6755 Charger 7A 55W AC/DC Touch Screen

SK-100068-01 SKY RC 6 x 80+ Charger Blue Version

SK-100069 Synchronous DC Charger 1000W 40A

SK-100072 T6200 Charger 12A 200W DC Touch Screen

SK-100084 Imax B6 Mini Charger 6A 60W DC SK-100087 Ultimate Duo Charger 700Wx2 - 30A DC

SK-100089 D100 Dual Charger 100W AC or 2x100w DC - 10A

SK-100097 D200 AC/DC Dual Charger 200W 20A + soldering iron

SK-100104 Q200 Quattro Charger

SK-100106 S60 AC Charger 60W 6A

SK-200008 SKY RC 15V - 4A AC Adapter



CHARGERS AND DISCHARGERSCont....

SK-200013-01 eFuel 30A 540W Power Supply

SK-200015 eFuel 50A 1200W Power Supply

SK-200017-01 SKY RC 17A Power Supply (UK Plug)

TP1201P100-240V AC - 12V DC, 1.0A Switching Adaptor TP103

TP1205P100-240V AC-12V DC, 5.0A Switching Adaptor

TP14SAB-TPJXH Balance Conn Adaptor 2S-14S JST-XH - TP1430C

TP205V Thunder Power 2-5 Cell Lipo Smart Balancer TP610C Thunder Power 10 Amp DC Balance Charger

TP610C-ACDC Thunder Power 10 Amp AC/DC Balance Charger

TP610C-BL2 Balance Conn Adaptor 2S/6S JST-XH 610C-ADC

TP820CD Dual Port 20A DC charger/Cycler

TP8SAB-TPJXH Balance Conn Adaptor Board 2S-8S JST-XH 820CD

TPDLC-250A Thunder Power Balancer to Charger Data Link Cable

BRUSHLESS MOTORS

HW30401102 XERUN-V10-5.5T-1/10-Sensored-BL-Motor-Black-G2

HW30401103 XERUN-V10-6.5T-1/10-Sensored-BL-Motor-Black-G2

HW30401104 XERUN-V10-7.5T-1/10-Sensored-BL-Motor-Black-G2

HW30401105 XERUN-V10-8.5T-1/10-Sensored-BL-Motor-Black-G2

HW30404300 QUICRUN-3650-6.5T-Sensored-Motor

HW30404301 QUICRUN-3650-8.5T-Sensored-Motor

HW90040060 XERUN-1/10-Sensored BL Motor 8.5T

HW90040170 XERUN-1/10-Sensored BL Motor 6.5T

NR90648 Nosram Pure 2 BL - 10.5T

NR90649 Nosram Pure 2 BL - 9.5T

NR90674 Nosram Pure 2 BL - 6.5T

NR90689 Nosram Pure 2 BL - 5.0T

NR90704Nosram Pure 2 BL - 4.0T

SK-400003-23 ARES Pro BL Motor 5.5T

SK-400003-24 ARES Pro BL Motor 6.5T

SK-400003-25 ARES Pro BL Motor 7.5T

SK-400003-26 ARES Pro BL Motor 8.5T

SK-400003-27 ARES Pro BL Motor 9.5T

SP000148 1/10 Competition MMM Series 5.0R BL Motor

SP000149 1/10 Competition MMM Series 5.5R BL Motor

SP000151 1/10 Competiton MMM Series 4.0R BL Motor

SP000259 Speed Passion V3.0 Comp BL Motor-6.0T SP001224 Speed Passion Comp V4.0 Motor 5.5T

SP001226 Speed Passion Comp V4.0 Motor 6.5T

SP001227 Speed Passion Comp V4.0 Motor 7.5T

SP001228 Speed Passion Comp V4.0 Motor 8.5T

SP001229 Speed Passion Comp V4.0 Motor 9.5T

SP13855V3 Speed Passion V3.0 Comp BL Motor; 5.5T SP13865V3 Speed Passion V3.0 Comp BL Motor; 6.5T

SP13875V3 Speed Passion V3.0 Comp BL Motor; 7.5T

SP13885V3 Speed Passion V3.0 Comp BL Motor; 8.5T

TPM-540A055 Thunder Power 5.5T Modified 540 BL Motor TPM-540A060 Thunder Power 6.0T Modified 540 BL Motor

TPM-540A065 Thunder Power 6.5T Modified 540 BL Motor

TPM-540A075 Thunder Power 7.5T Modified 540 BL Motor

TPM-540A085 Thunder Power 8.5T Modified 540 BL Motor

TPM-540A095 Thunder Power 9.5T Modified 540 BL Motor

BRUSHLESS ACCESSORIES

CR133 Core Sensor Lead; 80mm

CR134 Core Sensor Lead; 180mm

CR253 110mm Flat Bonded Flex Sensor Wire

CR254 150mm Flat Bonded Flex Sensor Wire

CR255 200mm Flat Bonded Flex Sensor Wire CR256 270mm Flat Bonded Flex Sensor Wire

HW2361200 XERUN-Sensor Cable-120mm

HW2362000 XERUN-Sensor Cable-200mm HW30502000014 XERUN-EZRUN-Multifunction-LCD-Program Box

HW30503000 WiFi-Express Module

HW30860200010 XERUN-Fan-2510SH-13000RPM-5V/0.16A for 2S

HW86020010 XERUN-EZRUN-Program Card for ESC

HW86030030 XERUN-Capacitors



BRUSHLESS ACCESSORIES Cont....

HW86080120 EZRUN-Heat Sink with Fan for 3660,3674 Motors HW86080130 EZRUN-Heat Sink with Fan for 4465 Motors HW86080150 XERUN-Large Fan 3010HB-5V/0.18A for 2S NR90644PURE Evo Tuning Sintered Rotor - 12.0mm NR92501USB Bridge Spec2 - Speedo Firmware Update Device NR92512Cooling Fan; Low Profile - Include Mounting Screws NR925307 NOSRAM Sensor Wire HighFlex 70mm NR925315 NOSRAM Sensor Wire HighFlex 150mm NR925320 NOSRAM Sensor Wire HighFlex 200mm SK-300046-01 Program Box SP000007 Muti LED Program Card Version 2.0 SP000029 Sensor Unit +20 Timing"for V3.0 Motor-Green Color" SP000034 Sensor Unit +10 Timing" for V3.0 Motor-Red Color" SP000041 Sensor Unit for V3.0 - 4.0T/5.0T Motor SP000059 Sensor Unit +40 Timing for V3.0 Motor Blue SP001130 Reventon PRO 1.1 Fan SP162801 SP - Sensor Cable 180mm SP162802 SP - Sensor Cable 90mm SP162810 SP - HiPower Solder Post; 3pcs SP162820 SP - HiPower Connector; V3.0 Motors 3pcs SP1EB01 SP Endbell; Fixed Timing V3.0 SPAMSSC3M SP - Super Capacitor 3 Farads 6 Volt rated SPRM13802 Rotor; V3.0 3.5T- 8.5R 12.3mm S7 Purple SPRM13802NA Rotor: V3.0 3.5T- 8.5T 12.3mm S7 Silver SPRM13803NA Rotor; V3.0 3.5T- 8.5T 12.5mm Silver SPRM13804 Rotor; V3.0 3.5T-8.5R 12.8mm Golden SPRM13806 Rotor; V3.0 3.5T-8.5T 13mm S7 Orange TPM-P1000 Thunder Power Bearing Replacement Tool TPM-P1001 T-Power Bearing Std 1/8x3/8x5/32 (2pcs) S/M 540" TPM-P1002 T-Power Bearing Ceramic 1/8x3/8/5/32 (2pcs)S/M540" TPM-P1005 Thunder Power Sensor Unit w/Std Bearing S/M540/550 TPM-P1007 Thunder Power Outer Can/Case w/Screws S/M 540 TPM-P1008 Thunder Power Timing Cap w/Screws S/M540/550 TPM-P1010 Thunder Power Senser Wire Harness 110mm TPM-P1011 Thunder Power Sensor Wire Harness 200mm TPM-P1012 Thunder Power Sensor Wire Harness 270mm TPM-P1014 Thunder Power Insulator Set (Fr/Rr) S/M 540/550 TPM-R540AHT Stock Spec 540 Hi-Torque Rotor 12.5/7.25/25.0 Grn TPM-R540AMR Thunder Power Mod 540 Rotor 12.2/5.2/25.0 Purple TPM-R540AMR-S Thunder Power Mod 540 Rotor 12.0/5.0/25.3 Gold TPM-R540ASR T-Power Stock Spec 540 Rotor 12.2/7.25/24.2 Red TPM-R540AST T-Power StockSpec Torque Rotor 12.2/7.25/25.0 Blue TPM-S540A055 Thunder Power 5.5T Modified 540 Stator TPM-S540A060 Thunder Power 6.0T Modified 540 Stator TPM-S540A065 Thunder Power 6.5T Modified 540 Stator TPM-S540A075 Thunder Power 7.5T Modified 540 Stator TPM-S540A085 Thunder Power 8.5T Modified 540 Stator TPM-S540A095 Thunder Power 9.5T Modified 540 Stator

BRUSHLESS ESC and MOTOR COMBO

HW81030050 EZRUN-Combo-B4-5.5T 6000kV+EZRun-60A-SL HW81030060 EZRUN-Combo-B5-8.5T 4000kV+EZRun-60A-SL HW81030150 EZRUN-Combo-B6-9T 4300kV+EZRun-60A-SL SP000191 Reventon-R ESC-2S-Comp V3.0-7.5R Combo SP000192 Reventon-R ESC-2S-Comp V3.0-8.5R Combo SP000199 Reventon Stock Club Race 8.5 Combo Comp V3 Motor SP001032 Reventon Pro V1.1 ESC Comp V3.0-5.5R Combo SP001033 Reventon Pro V1.1 ESC Comp V3.0-6.0R Combo SP001034 Reventon Pro V1.1 ESC Comp V3.0-6.5R Combo SP001035 Reventon Pro V1.1 ESC Comp V3.0-7.5R Combo SP001036 Reventon Pro V1.1 ESC Comp V3.0-8.5R Combo SP001037 Reventon Pro V1.1 ESC Comp V3.0-9.5R Combo SP001038 Reventon Pro V1.1 ESC Comp V3.0-10.5R Combo SP001039 Reventon Pro V1.1 ESC Comp V3.0-13.5R Combo SP001040 Reventon Pro V1.1 ESC Comp V3.0-17.5R Combo SP001041 Reventon Pro V1.1 ESC Comp V3.0-21.5R Combo SP001147 Reventon Pro V1.1 ESC MMM 13.5R Combo

BRUSHLESS SPEEDCONTROLS

CR173 PACE 45R Brushless ESC 1s/2s CR174 PACE 45R/60R Programming Card CR199 PACE 60R Brushless ESC 1S/2S HW30112600 XERUN-XR10-Pro-V4-Black HW30112601 XERUN-XR10-Pro-V4-Orange HW30112602 XERUN-XR10-Pro-V4-Red HW81010190 EZRUN-60A-SL-BL-ESC-1/10th Car & Truck HW81010390 EZRUN-WP-80A-SL-BL-ESC-1/10th-Waterproof HW81020170 XERUN-V2.1-BL-ESC-120A-Blue HW81020340 XERUN-V3.1-BL-ESC-120A-Blue HW81020350 XERUN-V3.1-BL-ESC-120A-Black NR90960Comet EVO Brushless Speed Control NR90970Comet HD Brushless Speed Control SA107A54393A Super Vortex Stock ESC - SVZ Stock SA107A54413A Super Vortex Generation 2 ESC - SVZ G2 SK-300044-01 Toro TS 120A ESC SK-300062-02 Toro TS 120A Alloy ESC - Black

SK-300064-01 Toro TS 160 ESC			
SP000063 Reventon-R ESC - 2S - Blue			
SP000064 Reventon-R ESC - 2S - Silver			
SP000739 Reventon Pro ESC-2S - V1.1 Black			
SP000740 Reventon Pro ESC-2S - V1.1 - Laser Blue			
SP001278 Reventon-R ESC - 2S - Black			
BATTERIES			
AM199502 Lipo Safe Bag (185 x 75 x 60mm)			
CR007 CORE RC Silicone Wire 12g - Red/Black 2x50cm			
CR008 CORE RC RED Connector with 2x4mm Tubes			
CR009 CORE RC RED Connector with 2x4mm Males			
CR050 CORE RC Silicone Wire 12g - Red 1 Metre			
CR051 CORE RC Silicone Wire 12g - Black 1 Metre			
CR052 CORE RC Silicone Wire 12g - Blue 1 Metre			
CR053 CORE RC Silicone Wire 12g - Red 50 Metre Reel			
CR054 CORE RC Silicone Wire 12g - Black 50 Metre Reel			
CR055 CORE RC Silicone Wire 12g - Blue 50 Metre Reel			
CR059 CORE RC - Safe Charge Pouch 23x30cm			
CR115 CORE RC Silicone Wire 12g - Red/Black/Blue 3x50cm			
CR124 Heatshrink 6.0mm dia Black - 20pcs			
CR125 Heatshrink 6.0mm dia Red - 20pcs			
CR170 CORE RC Lipo Locker - 17 x 8 x 7cm			
CR287 Silicone Wire Black 14 AWG - 1Mtr			
CR288 Silicone Wire Black 16 AWG - 1Mtr			
CR294 CORE RC-4000mAHr 7.4V 30/60C 2S Shorty Lipo			
CR295 CORE RC-5000mAHr 7.4V 30/60C 2S Saddle Lipo			
G719 GP Alkaline AA Pencell; Card 8 + 4			
H1046 T Connector; Red 2 Way - Male and Female			
H1047 T Connector; Black 2 Way - Male and Female			
H1048 T Connector; Red Sockets - pk4			
H1049 T Connector; Black Sockets - pk4			
IPBG2S4000V4 Intellect-Lipo 4000mAh 40C 2S Shorty			
IPBG2S5000SV1 Intellect-Lipo 5000mAh 100C 2S Shorty SHV			
IPSQ2S6000V9 Intellect Lipo 6000mAh 2S-90C-7.4V-Square			
IPTP2S6000SV1 Intellect-Lipo 6000mAh 100C 2S Saddle SHV			
IPTP2S6000V8 Intellect - Saddle Lipo 6000mAh 2S - 80C- 7.4V			
MR-SB MR33 Lipo Bag			
NR999512 Lipo 2600 1/10 X-treme Super Shorty 110C/55C-7.4V			
NR999519 Lipo 5500 1/10 X-treme Saddle Pack 110C/55C-7.4V			
NR999522 Lipo 4300 1/10X-treme Shorty Stk Spec 110C/55C-7.4			
NR999528 Lipo 5600 1/10 X-treme TC Mid Shorty P5-7.4V			
NR999529 Lipo 4500 1/10 X-treme Shorty P5 - 7.4V			
NR999530 Lipo 4500 1/10 X-treme-Shorty Stk Spec P5-7.4V			
NR999531 Lipo 3000 1/10 X-treme Shorty LCG P5-7.4V			
NR999532 Lipo 4000 1/10 X-treme Real Shorty LCG P5-7.4V			
NR999533 Lipo 5800 1/10 X-treme Saddle P5-7.4V			
NR999534 Lipo 3900 1/10 X-treme Saddle LCG P5-7.4V			
Throughout Elpo dood in to A trottle daddie Edo 1 0-1.4V			

BATTERIES Cont....

NR999535 Lipo 3900 1/10 X-treme Shorty Saddle P5-7.4V NR999536 Lipo 3900 1/10 X-treme Small Saddle P5-7.4V NR999538 Lipo 2600 1/10 X-treme Super Shorty P5-7.4V NR999541 Lipo 4900 1/10 Outlaw Race Shorty P5-7.6V SK-500007-01 SKY RC Lipo Pal

TP4P10E Thunder Power 4 Pin Balance connector 10Extension"
TP4P8 TP 4 Pin Balance Connector 8 Colour Coded Wires"
TP6P10E Thunder Power 6 Pin Balance Connector 10Extension"
TP6P13 TP 6 Pin Balance Connector 13 Colour Coded Wires"
TP6P4PE Thunder Power 6 Pin Adaptor/Extension
TPLSBL Thunder Power Lipo Charge Bag Large 9" x 12"

TPLSBS Thunder Power Lipo Charge Bag Small 7" x 8"

GENERAL ACCESSORIES

CR043 CORE RC - Silver X-Weights 16pcs CR058 CORE RC - Black X-Weights 16pcs CR197 CORE RC - Glass Setup Board CR297 CORE RC - Neoprene Bag CR518 Super Glue Nozzles - pk10 CR520 Medium Thread Lock 3ml CR521 Super Glue Activator 63ml CR522 CORE RC - 522 Pro Tyre Glue + 2 Nozzles CR548 CORE RC - Tool Bag CR549 CORE RC - Oil Bag G353 Schumacher Glass Setup Board G354 Schumacher - Neoprene Bag J003 Contact RC - Glass Setup Board Contact RC - Neoprene Bag J004 MR-CSOFFROAD MR33 Car Stand Off Road MR-SUPER GLUE Perfect Super Glue for Rubber Tyres

1-10 BUGGY ON ROAD TYRES

U4831 Aerial Tube Cap - Black - 6pk

JY35 1/10 Buggy Foam Donuts Rear 35Sh
JY45 1/10 Buggy Foam Donuts Front 45Sh
U6720 VENOM 88 Tyre - Rascal/ 1/10th buggy (pr) - Silver
U6790 Venom 88 Tyre 1/10th Buggy Rear - White

1-10 BUGGY OFF ROAD TYRES

Full Spike - Rear Tyres - Soft CAT (pr) T650 T652 Full Spike - Front Tyres - Soft CAT (pr) T692 Block - Rear Tyres - Blue - CAT (pr) U6515 Mini Spike 2; Front Tyres - Green - 2.2 (pr) U6516 Mini Spike 2; Rear Tyres - Green - 2.2 (pr) U6517 Mini Spike 2; Front Tyres - Blue - 2.2 (pr) U6518 Mini Spike 2; Rear Tyres - Blue - 2.2 (pr) Mini Spike 2; Blue - Slim (pr) U6549 U6550 Mini Spike 2; Green - Slim (pr) U6557 Mini Spike 2; Front Tyres - Yellow (pr) U6558 Mini Spike 2; Rear Tyres - Yellow (pr) U6581 Mini Spike 2; standard -Yellow - Slim (pr) U6592 Stagger Rib - Yellow - Slim Full Spike - Rear Tyres- Yellow - 2.2 (pr) U6596 U6601 Mini Pin - Blue - Front - 2.2 (pr) U6607 Mini Pin - Yellow - Front - 2.2 (pr) Mini Pin - Yellow - Slim (pr) U6609 U6759 Cut Stagger - Yellow - Slim (pr) Mini Spike 2; Silver - Slim (pr) U6761 U6762 Mini Spike 2; Front Tyres - Silver (pr) U6763 Mini Spike 2; Rear Tyres - Silver (pr) U6765 Cut Stagger Green - Slim (pr) U6770 Cut Stagger - Low Profile - Yellow (pr) U6771 Cut Stagger - Low Profile - Green (pr) U6775 Cut Stagger - Low Profile - Silver (pr) U6776 Cut Stagger - Low Profile - Blue (pr) U6779 Mini Pin - Silver - Slim (pr) U6786 Block - Rear Tyres - Yellow - CAT pr U6794 Mini Spike2 -Pre-Glued Yellow Rear Hex Drive(pr) U6795 Mini Pin; Slim Yellow - Pre-Glued Hex Drive (pr) Stud 2 Row Front - Yellow (pr) U6797

Cut Stagger Low Pro-Yel-Pre-Glued Hex(pr)

U6801



1-10 BUGGY OFF ROAD TYRES Cont....

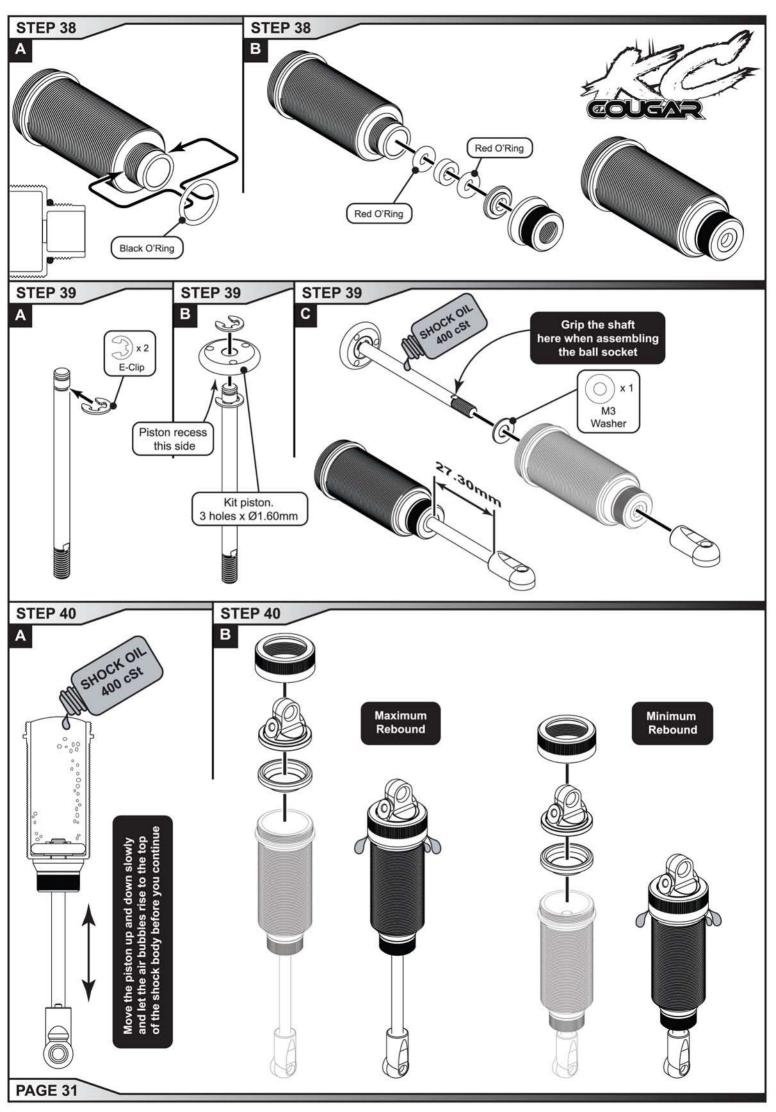
U6817 Mini Pin 1 - Rear - 1/10 - Yellow-pr U6818 Mini Pin 1 - Rear - 1/10 - Yellow - Pre-Glued U6819 Mini Pin 1 - Rear - 1/10 - Blue - pr Mini Pin 1 - Rear - 1/10 - Silver - pr U6820 U6821 Mini Pin 2 - Front - 1/10 - Yellow pr U6822 Mini Pin 2 - Front - 1/10 - Yellow-Pre-Glued pr U6824 Mini Dart 1/10 - Front - 2WD - Yellow (pr) U6826 Mini Dart 1/10 - Rear - Yellow (pr) U6827 Mini Dart 1/10 - Front - 2WD - Blue (pr) U6829 Mini Dart 1/10 - Rear - Blue (pr) U6830 Mini Dart 1/10 - Front - 2WD - Silver (pr) U6832 Mini Dart 1/10 - Rear - Silver (pr) U6833 Mini Dart 1/10-Front-2WD-Pre-Glued Yellow (pr) U6835 Mini Dart 1/10-Rear-Pre-Glued-Yellow (pr)

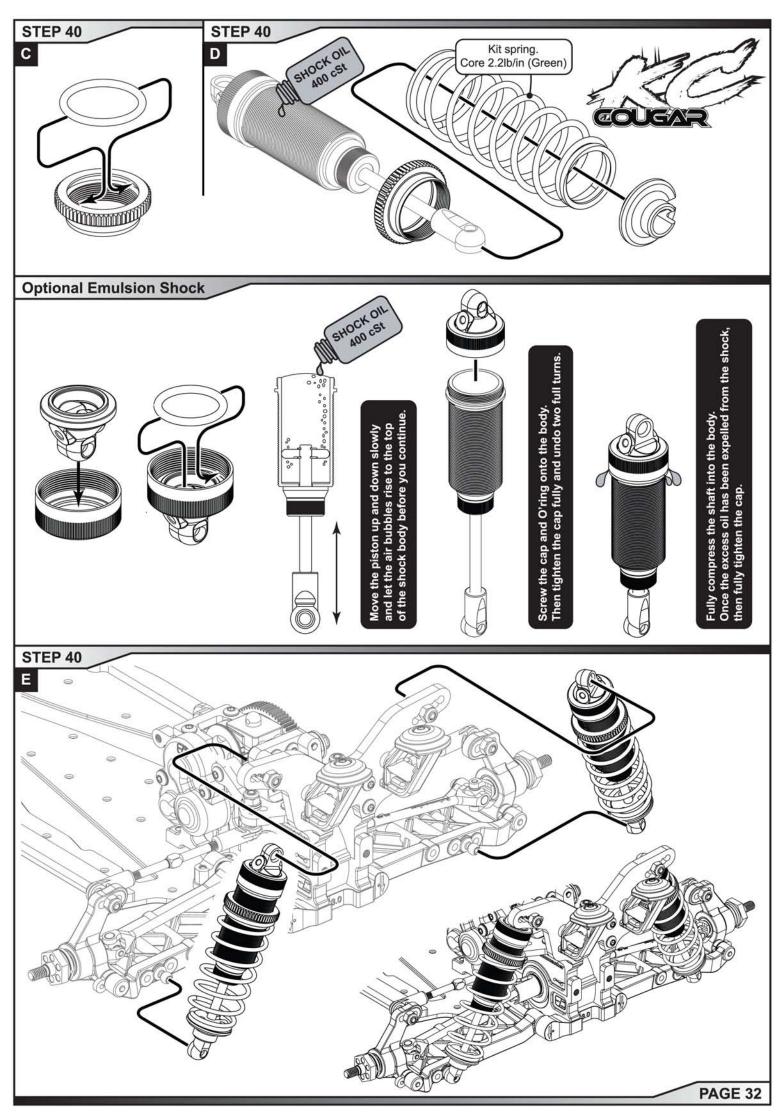
1-10 BUGGY WHEELS AND INSERTS

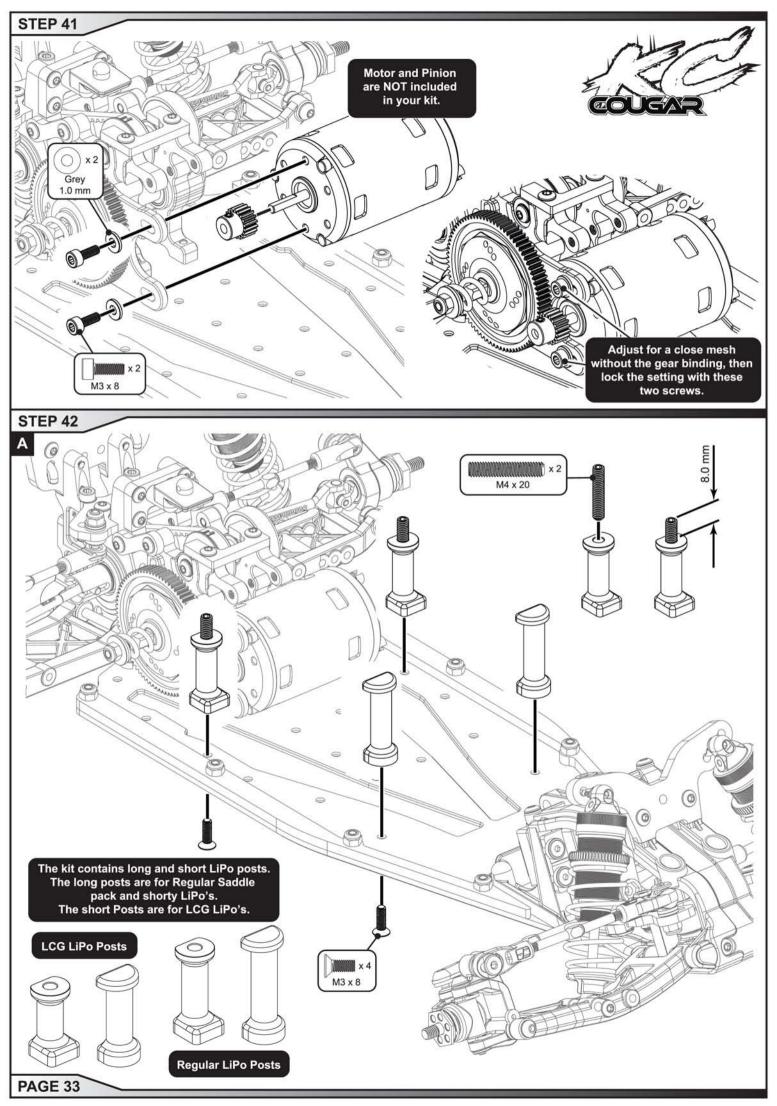
U4365 Wheel: Hex Rear - Black - Off Road - pr U4366 Wheel; Hex Rear - White - Off Road - pr U4367 Wheel; Hex Front - Black - 2wd - pr U4368 Wheel; Hex Front - White - 2wd - pr U4660 Wheel; Hex - Slim - 2WD - Black Wheel; Hex - Slim - 2WD - White U4661 U6652 Foam Tyre Insert; Hard - Front - CAT (pr) U6653 Foam Tyre Insert; Hard - Rear - CAT (pr) U6667 Foam Tyre Insert; Hard - Slim 2WD (pr) U6668 Foam Tyre Inserts; Soft - Ultra Wide (pr) U6669 Foam Tyre Inserts; Hard - Ultra Wide (pr) U6733 Foam Tyre Insert; Med - Front - CAT (pr) U6734 Foam Tyre Insert; Med - Rear - CAT (pr) U6738 Foam Tyre Insert; Med - Slim 2WD (pr) U6746 Tubby Insert; Med Front - CAT (pr) U6747 Tubby Insert; Med Rear - CAT (pr)

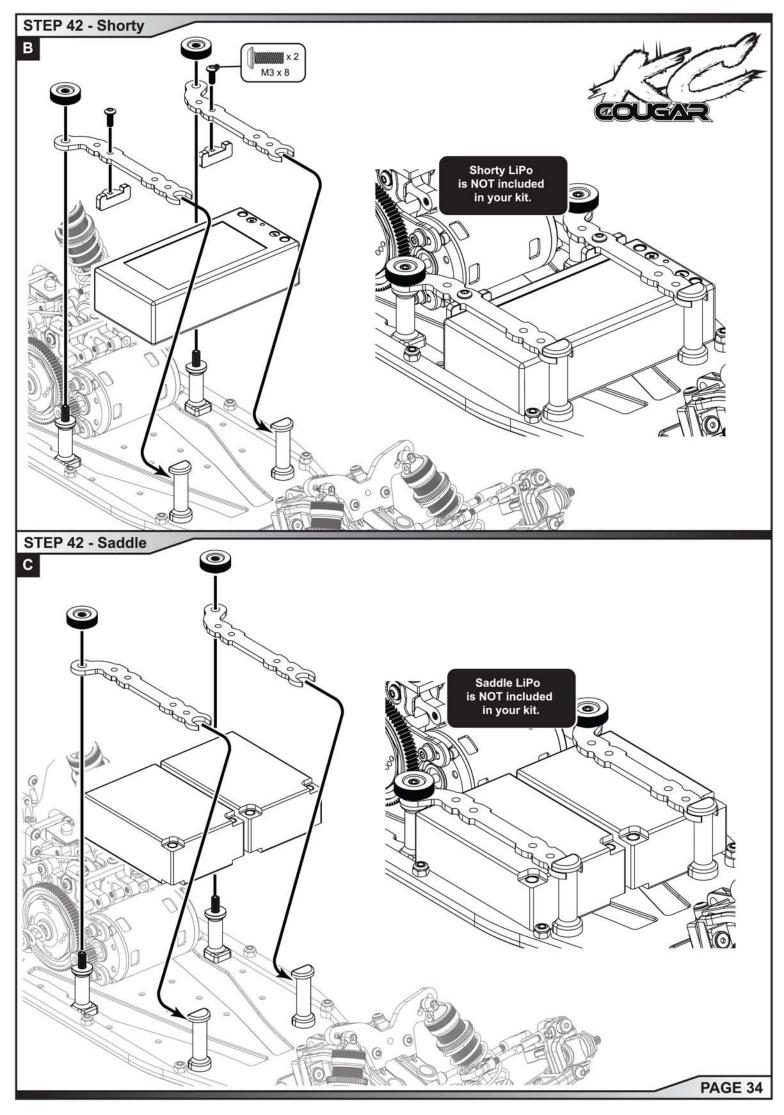
PAINT

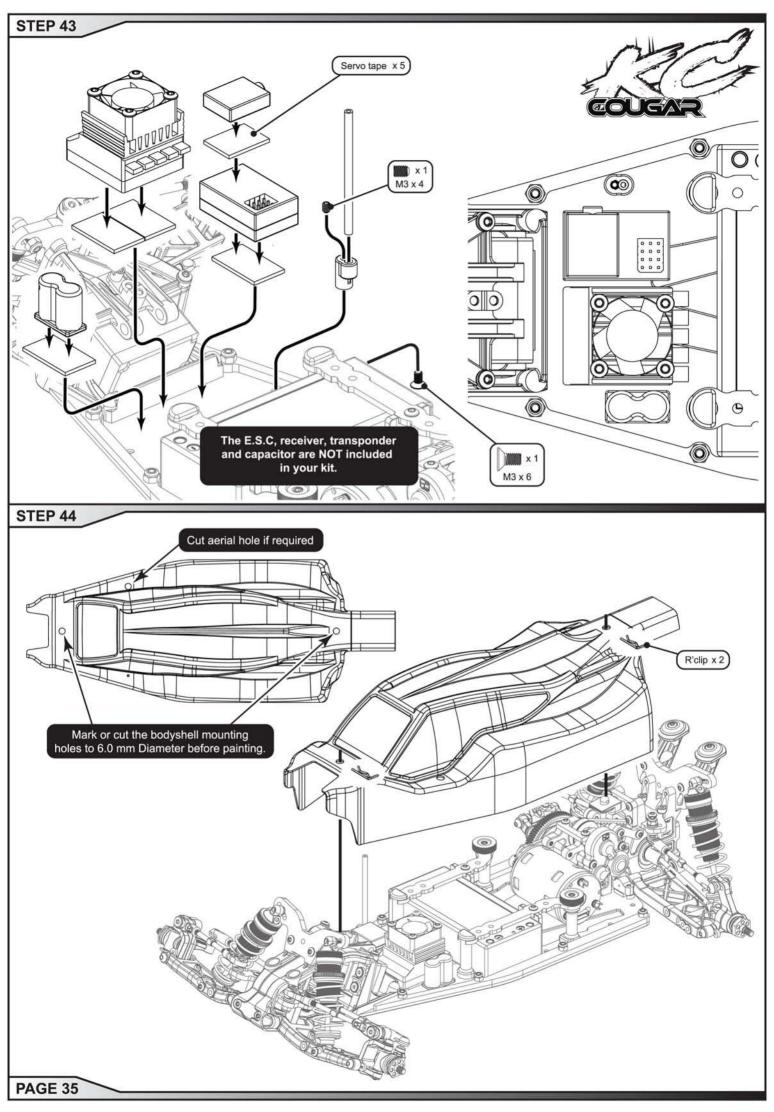
CR600 Aerosol Paint - White Knight CR601 Aerosol Paint - Yellow Taxi CR602 Aerosol Paint - Fire Red CR603 Aerosol Paint - French Blue Aerosol Paint - Petrol Blue CR604 CR605 Aerosol Paint - Racing Green CR606 Aerosol Paint - Jet Black CR607 Aerosol Paint - Lime Green CR608 Aerosol Paint - Tangerine CR609 Aerosol Paint - Hot Pink CR610 Aerosol Paint - Berry Purple CR611 Aerosol Paint - Neon Yellow CR612 Aerosol Paint - Neon Orange CR613 Aerosol Paint - Neon Red CR614 Aerosol Paint - Neon Green CR615 Aerosol Paint - Neon Fire Aerosol Paint - Neon Carrot CR616 CR617 Aerosol Paint - Neon Pink CR618 Aerosol Paint - Neon Blue CR619 Aerosol Paint - Metallic Blue CR620 Aerosol Paint - Metallic Graphite CR621 Aerosol Paint - Metallic Silver CR622 Aerosol Paint - Metallic Purple CR623 Aerosol Paint - Metallic Green CR624 Aerosol Paint - Metallic Red CR625 Aerosol Paint - Metallic White CR626 Aerosol Paint - Clear Sparkle CR627 Aerosol Paint - True Chrome Aerosol Paint - Clear Backing CR628 Aerosol Paint - Window Tint CR629 CR631 Aerosol Paint - Spearmint

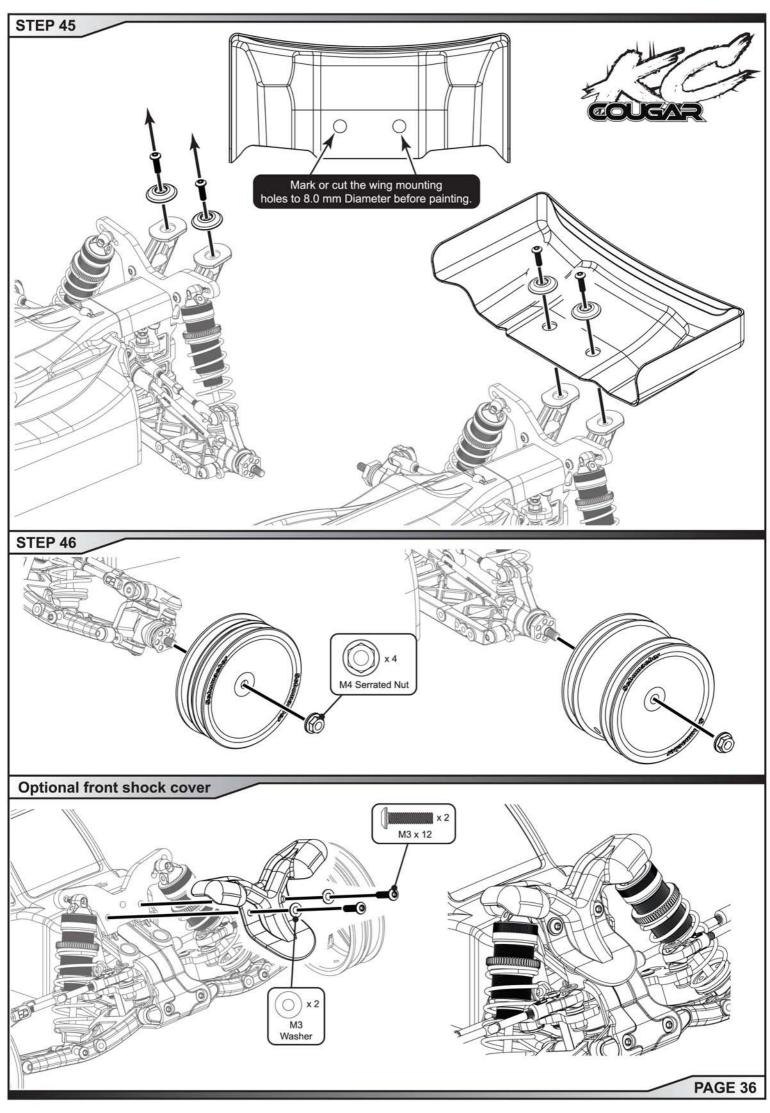


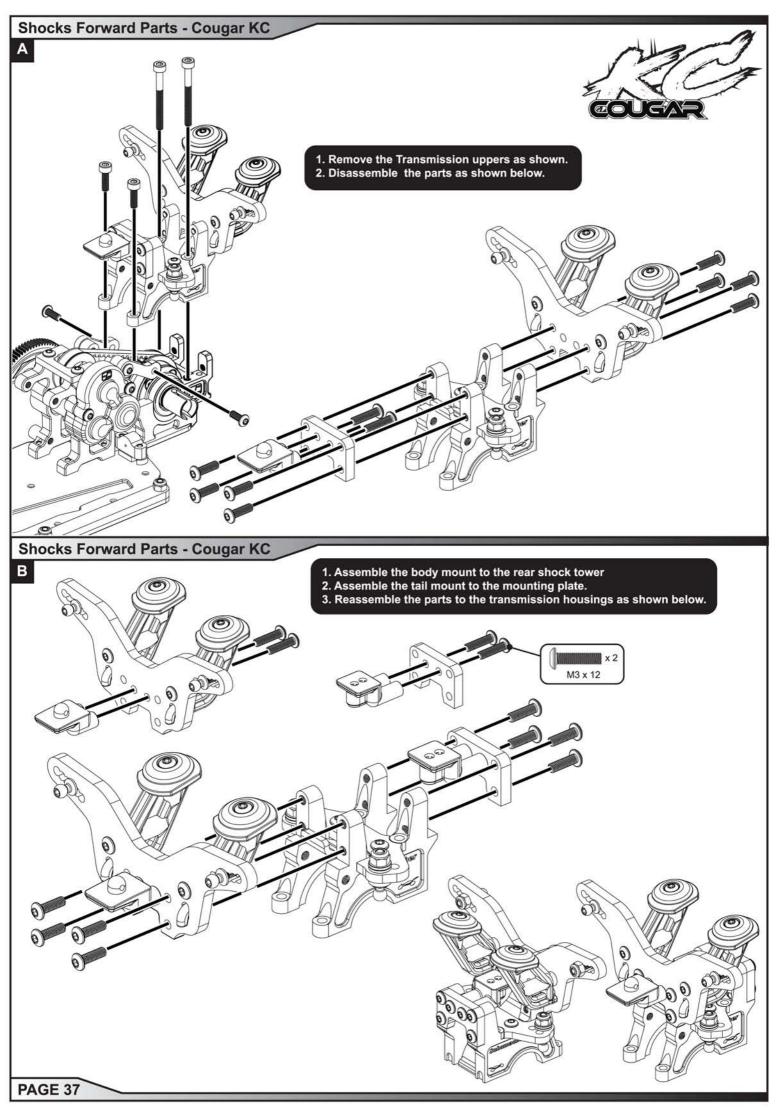


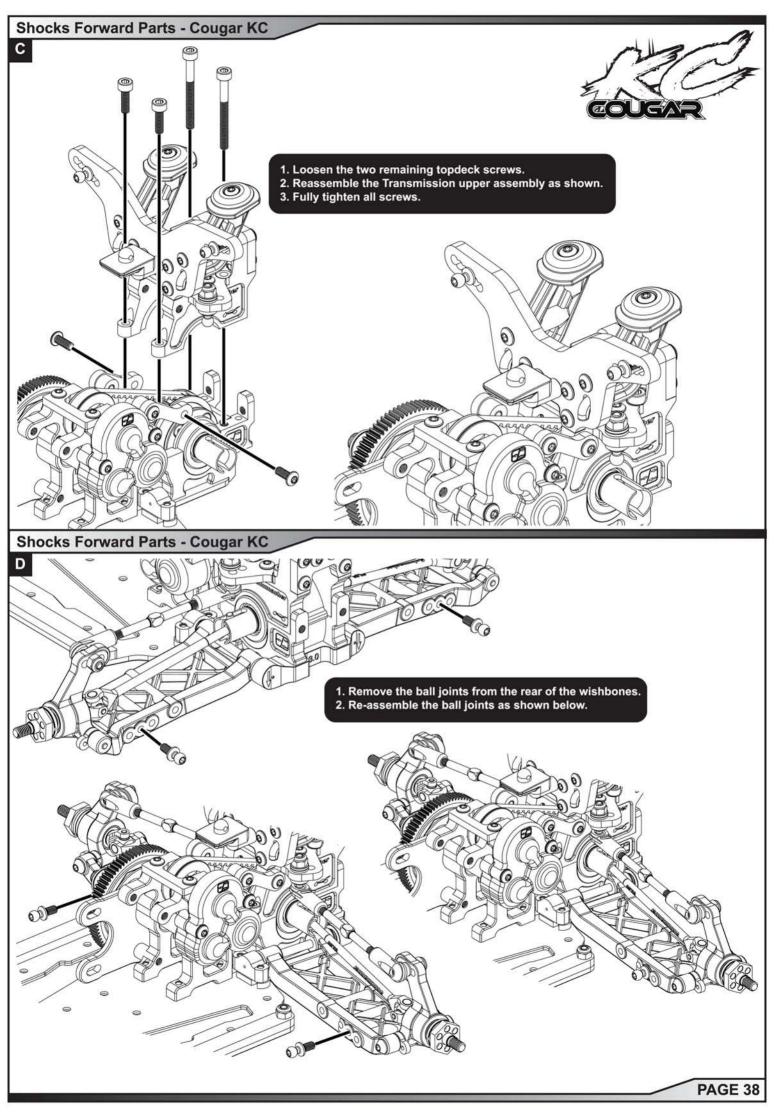


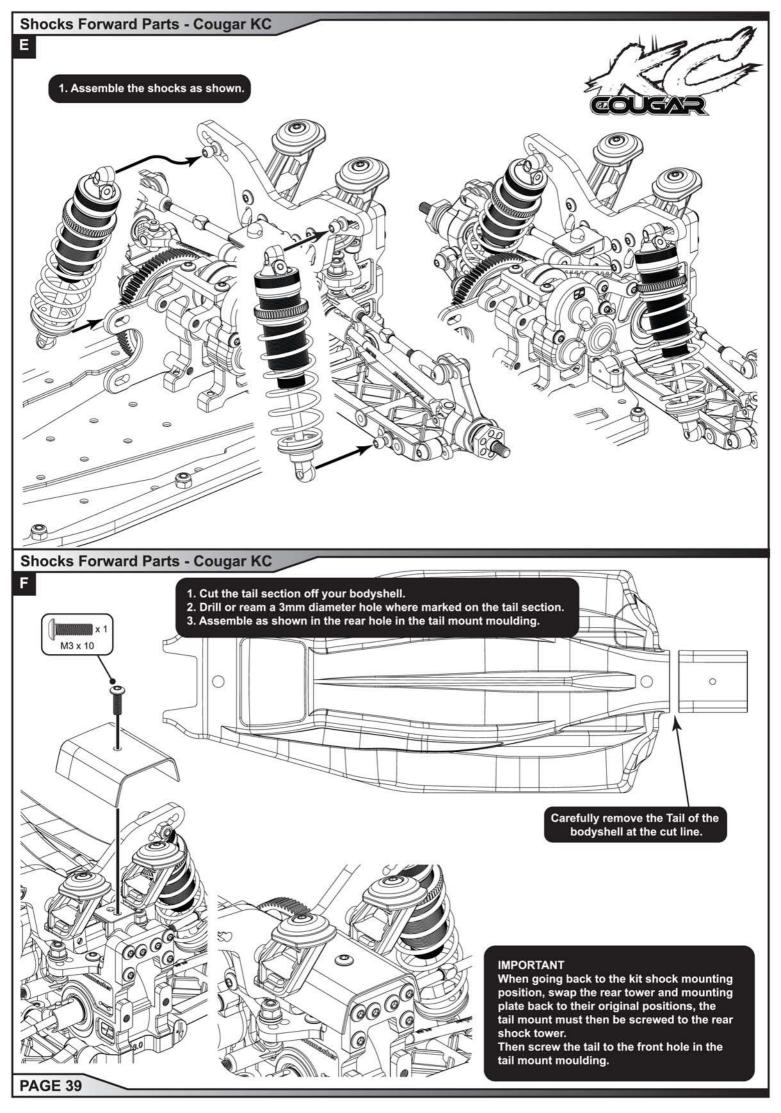


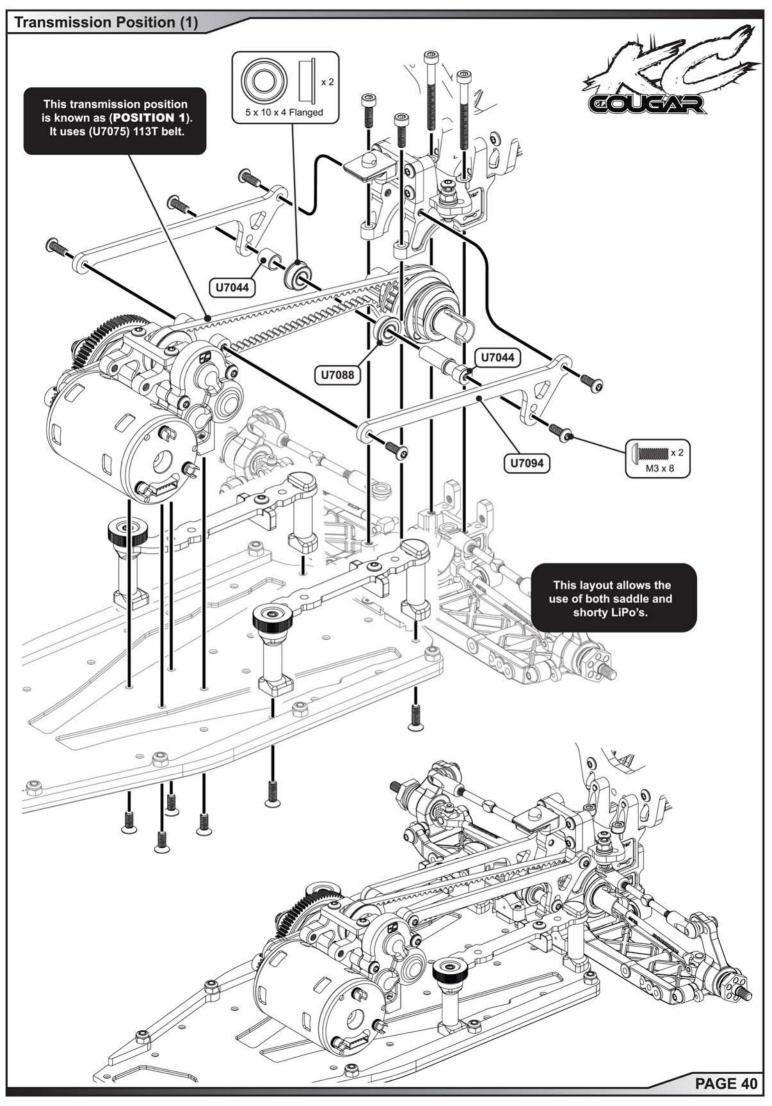


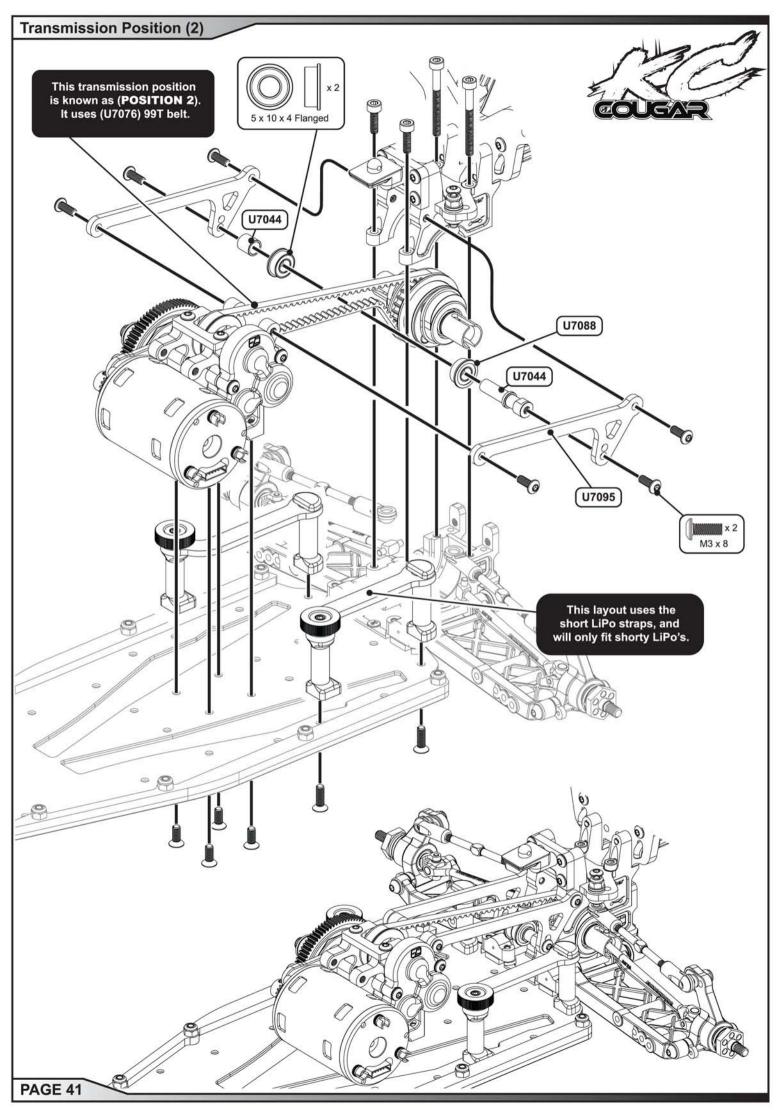


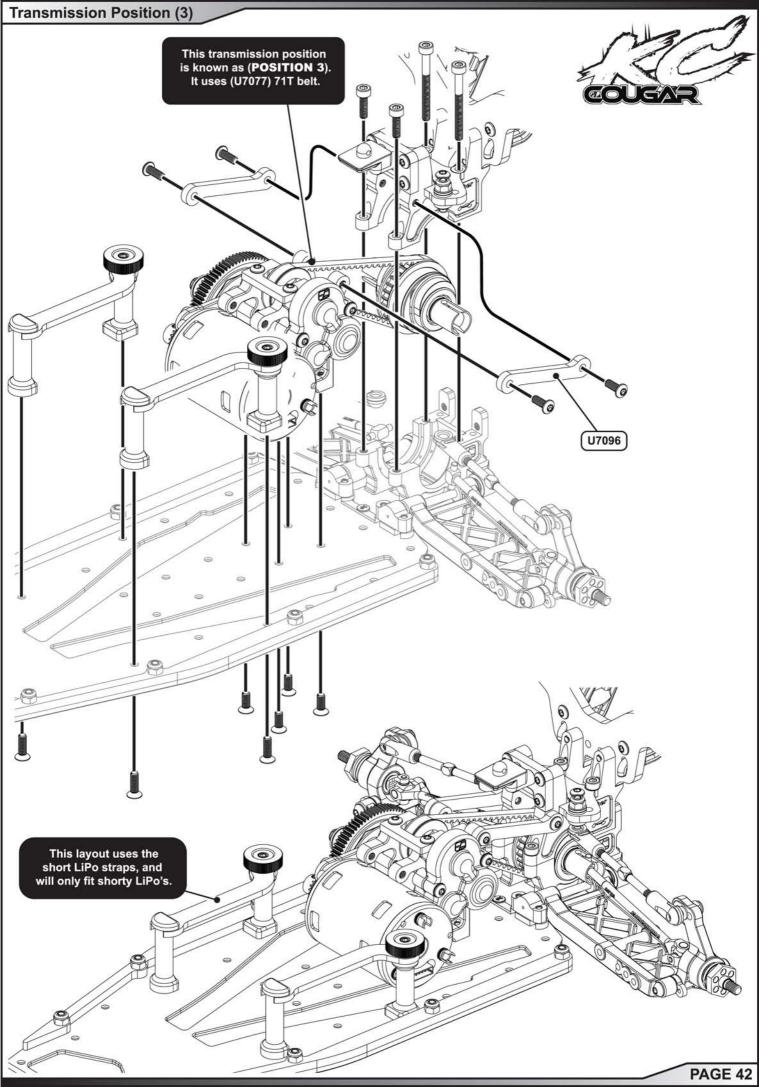






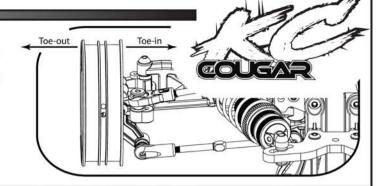






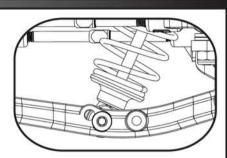
Front Toe

Front toe in should be set to 0° (both front wheels pointing straight ahead) this will be the best setting for most track conditions. Adding slight toe out will increase initial turn in. Whereas slight toe in will make this initial turn in a little softer. The Team generally run 1° toe out on Astro tracks.



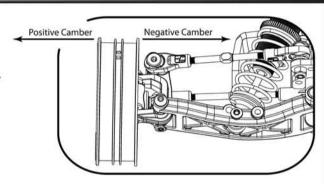
Front Wishbone Shock Mounting Hole

The outboard hole on the wishbone is the standard setting for most tracks. Moving the shock to the inner hole makes the car more reactive. It increases the initial turn in and makes the front of the car roll more through the turns. This setting also makes the front end softer.



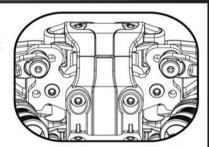
Front Camber

The usual team setting for static front camber is 1-2⁰ negative at ride height (the top of the wheel is leaning inwards towards the car). Increasing the static camber will generally increase the mid corner steering, whereas decreasing the static camber usually makes the car smoother to drive by reducing the steering response.



Front Camber Links

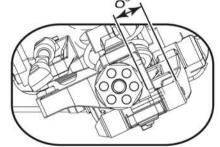
The kit front camber link position and length are what the team recommend for most tracks. Using a long front link makes the front of the car roll more and will give less steering reaction at high speed. It is also not quite as good on very bumpy tracks. We would recommend this on fairly smooth high grip tracks. A shorter front link will make the car roll less and quicken the initial steering response. This is a better choice for bumpy low grip tracks. Lowering the inside ball stud will give a similar result to shortening the link, and raising it will give a similar result to lengthening the camber link, but with less total effect.

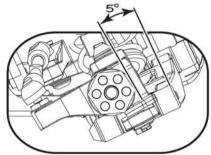


Front Yoke

The rake angle (kick up) is 25° on the Cougar and needs adding to the castor block angle to get the total castor angle. The standard car uses a 5° castor block making the standard car 30° in total; this can be decreased to 25° by using the optional 0° castor block.

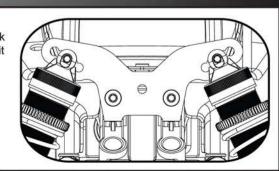
The 30° angle will increase on power steering and stability, whereas using less castor will increase initial turn in





Front Shock Mount

The middle hole on the front shock mount is the most widely used position. Moving the shock to the outer position will make the car react faster and increase the initial steering response, it may however stiffen the suspension which may require an oil and spring change so that the cars suspension feels the same. By moving the shock to the inner hole will soften the suspension and slow down the steering reaction and make the car smoother on bumpy tracks. Again you may need to alter the oil and spring combination to get the suspension correct again.



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Front Wheelbase Options

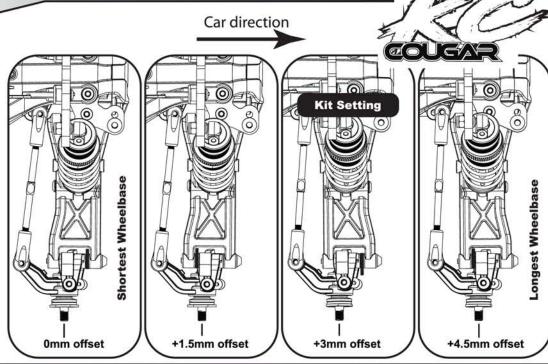
The Cougar KC has 2 ways of adjusting the wheelbase.

- 1. The adjustment is provided by re positioning the quick clip on the outer wishbone pin.
- The Cougar KC front wishbone can be swapped left to right to alter the offset of the outer end of the wishbone.

The std offset is forward. Swapping the wishbones left to right will move the front hub carrier rearwards by 3.0mm

This only moves the hub carrier, it will not affect the angle of the shock absorber.

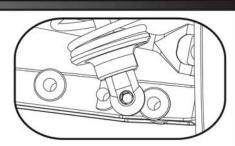
Moving the hub carrier rearwards will give more traction at the expense of stability over rough sections of the track, and moving the hub carrier forwards will usually improve stability over the rough sections.



Rear Wishbone Shock Mounting Hole

The middle hole works best for most track conditions giving good traction and drive through the turns whilst maintaining good stability over the bumps. Moving to the outer hole on the wishbone will decrease traction but will allow the rear to free up more in the turns. This setting would usually only get used on high grip tracks and when moving the shock out you may have to change the oil and spring settings to get the same suspension feel.

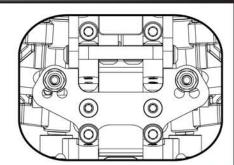
If the grip level is low and the track is bumpy, try the inside hole with harder spring, thicker oil and a 2mm internal limiter. This should help improve the handling.



Rear Camber Link

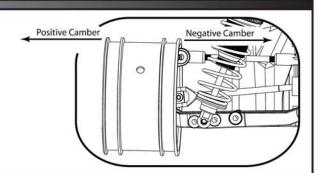
The kit build rear camber link setting is the best compromise for most tracks. This is the middle link option and gives good stability and straight line traction while allowing the rear of the car to free up on high speed turns. This reduces power on under steer on high grip tracks.

Shortening the rear camber link will make the rear of the car roll less in the corners, and square up faster when accelerating away from tight turns, longer links are generally used on high grip tracks and shorter links on low grip tracks. Lowering the inside ball stud will give a similar result to shortening the link, and raising it will give a similar result to lengthening the camber link, but with less total effect.



Rear Camber

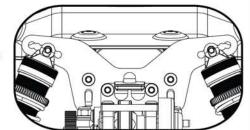
The usual team setting for static rear camber is 1^O negative at ride height (the top of the tyre leaning inwards towards the car). Increasing the static rear camber will increase the traction when exiting the turns, but will be less stable at high speed. Decreasing the camber will reduce stability and traction in the turns but will be more stable at high speed. (Some drivers believe that adding slight positive camber where the tyre leans out at the top away from the car, will improve straight line traction on loose surfaces)



Rear Shock Mount

The middle hole on the shock mount gives best all round results. Moving the shock to the outer hole will stiffen the suspension and increase the reaction of the steering. The downside is less compliance over bumpy sections of the track. Moving the shock to the inboard position softens the suspension and will slow the steering reaction making the car smoother over the bumps. Moving the shock to these holes may require an oil or spring change to maintain the suspension performance.

The rear shock mount is assembled to the back of the transmission as Kit Std, moving the mount to the front of the transmission makes the car more reactive but sacrifices stability.

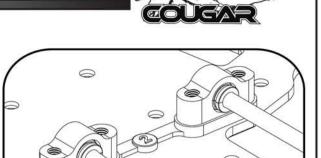


Rear Toe-In Blocks

The standard rear toe in is 3° this is a good compromise between forward traction and the car binding in the turns. This setting is fine for most tracks. You can alter the toe in by flipping the rear pivot blocks so that the flats face inward this will give 2.5° toe in when using the std rear strap.

If you are running too much toe in, your car may suffer from instability at high speeds. Decreasing the toe in will reduce forward traction but will free the car up in the turns. Usually the team use less toe in on high grip tracks and more for low grip tracks.

Using the Optional (U4719 - Alloy Pivot Block 4/1.5 deg) gives the option of 4° toe in or 1.5° toe in when flipped.



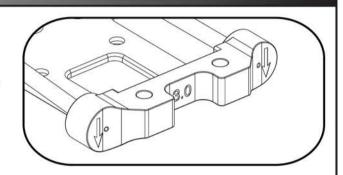
Rear Toe-In Straps

The standard rear strap gives 30 toe in.

This is a good compromise between forward traction and the car binding in the turns, this setting is fine for most tracks.

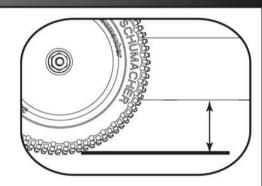
Using the Optional (U7047 - Wide Brass Rear Strap 3.5°) gives 3.5° of rear toe in when the rear pivot blocks have their flats facing out.

It also increases the weight (by approx 12.5g) over the back of the car helping with low grip conditions.



Ride Height

Use the spring adjusters on the shock absorbers to adjust the front and rear ride heights. We would recommend setting the ride height to around 19 mm with the car level. This is measured between the bottom of the chassis and the ground with the car in running trim. First press the car down on to the ground and release it once or twice to settle the suspension before adjusting the ride height. The chassis should be level when viewed from the side. Adjusting the spring collars does not increase or decrease the spring stiffness only the preload. So if the suspension needs to be softer or harder change the spring.



Rear Anti Squat Spacers

With the arrows on the rear strap pointing down, the standard antisquat is set at 20.

The team have found that this works best on most tracks, and with the included parts this can be increased or decreased.

Generally less antisquat allows the suspension to work better over the large bumps but usually gives less power on traction.

Adding more antisquat gives more forward traction up to the point where the car starts to pull wheelies.

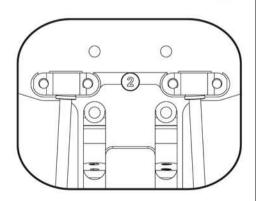
Backing off the slipper is not always an option to compensate for this as good initial bite is needed to clear big jumps. Reducing the antisquat seems to make the car handle better over small ripples but not so good on the tracks with large bumps.

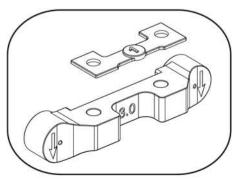
The actual anti squat is the addittion of the numbers on both strap and block spacers.

Using a 0 front block strap and using the rear straps to acheive antisquat will result in a lower rear pin height. This will lower the roll centre which allows the car to roll more in corners, this should give more side bite.

When using the rear strap with arrows up you MUST fit U7099 - C/F Block Spacer 2mm - Cougar KC

With the spacer fitted you have raised the roll centre. This will stiffen up the car in roll, which should make the car change direction quicker, but with a loss of side bite. We recommend this setting for tight high grip tracks.

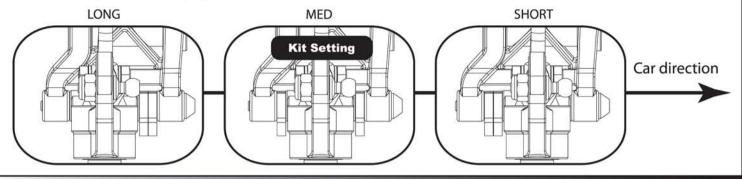




Rear Wheelbase options

The Cougar KC has 3 wheelbase options at the rear, short, med and long. The adjustment is provided by re positioning the quick clips on the outer wishbone pin. Moving the rear hub carrier forwards will give more traction at the expense of stability over rough sections of the track, and moving the hub carrier to the middle or rear position usually improves stability over the rough sections, running the car in long wheelbase form also free's up the car on sweeping sections of the track.





Ball Differential

We recommend the ball differential is used for loose or wet conditions. For consistent performance it is vital that the differential action should be smooth and free. Diff adjustment is not a tuning aid and the diff should never be allowed to slip. A loose diff can usually be recognised by a "chirping" sound when powering away from turns or landing under power from large jumps. When rebuilding your ball differential we recommend using a U1954 thrust race.



Gear Differential

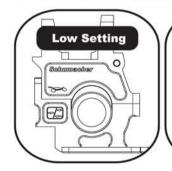
Geared Diffs can give different driving characteristics. The handling of the diff is tuned by changing the oil. A recommended starting point is 12,000 cSt (CR229). Recommended option oils would be 10,000 cSt (CR222) and 15,000 cSt (CR230).



Diff Height

The std diff setting is high, this is better for jump landings.

Lowering the diff improves bump stability and allows you to run higher ride heights.



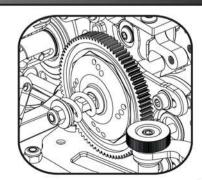




Slipper Clutch

On most tracks it is best to start with the slipper on a **LOOSE** setting, and gradually tighten the spring tension until you achieve the most consistent drive away from turns without spinning the car or pulling wheelies. Make sure you still have enough drive when launching the car from the up ramps. WARNING, do not run the slipper too loose as it could melt the plastic spur gear, also too tight may damage the transmission parts.

If you are generating too much heat at your preferred setting, use (U7050 - Multi Plate Slipper Conversion) this will give you a more durable slipper clutch.

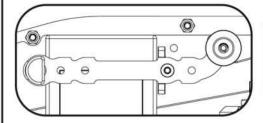


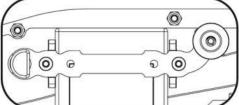
LiPo Position

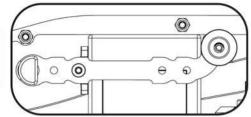
When using the Cougar KC in transmission Option 1 or Option 4 there are 3 shorty LiPo positions available to fine tune the chassis.



For increased traction run the rear Lipo position. For increased Steering run the front Lipo Position.

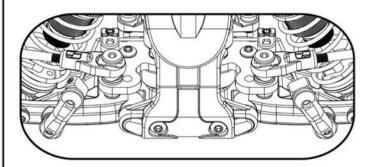


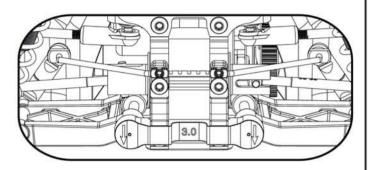




Anti-Roll Bars

Anti-roll bars are an often overlooked set up aid that allows fine tuning of the suspension without major changes to the shock and spring settings. They are mainly used to add roll stiffness to the car without affecting the handling on bumps and jumps. Running anti-roll bars allows you to run softer suspension on bumpy tracks while reducing the roll in corners thus maintaining stability through the turns.



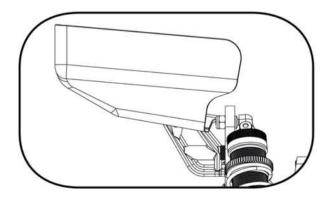


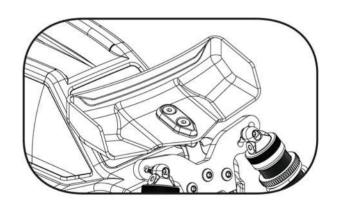
Front and Rear Wings

Removing the washers at the front of the rear wing mount will give the wing more angle and increase rear downforce, adding washers will level the wing out giving less downforce.

The front wings will add more downforce to the front of the car, use the large wing for maximum downforce.

Trimming the gurney on both front and rear wings will reduce downforce.





Gear Ratio's (2.10:1)

Pinion Gear

Spur Gear		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	83	10.25	9.68	9.17	8.72	8.30	7.92	7.58	7.26	6.97	6.70	6.46	6.23	6.01	5.81	5.45		
	82		9.57	9.06	8.61	8.20	7.83	7.49	7.18	6.89	6.62	6.38	6.15	5.94	5.74	5.55	5.38	
	81			8.95	8.51	8.10	7.73	7.40	7.09	6.80	6.54	6.30	6.08	5.87	5.67	5.49	5.32	5.15
	80				8.40	8.00	7.64	7.30	7.00	6.72	6.46	6.22	6.00	5.79	5.60	5.42	5.25	5.09
	76								6.65	6.38	6.14	5.91	5.70	5.50	5.32	5.15	4.99	4.84
	71													5.14	4.97	4.81	4.66	4.52

Tooth Sum 100 Minimum to 114 Maximum(or a Maximum 33T Pinion)

Team Merchandise



3 Layer Soft Shell Team Jacket - Black

G339XS Extra Small - 34 inch chest G339S Small - 38 inch chest G339M Medium - 41 inch chest G339L Large - 44 inch chest X Large - 46 inch chest G339XL G339XXL XX Large - 48 inch chest G339XXXL XXX Large - 50 inch chest



Team Hooded Sweatshirt - Navy Blue

G343S Small G343M Medium G343L Large G343XL Extra Large





Caps - Black G340 Schumacher Baseball Cap



2013 Team Polo Shirt - Navy blue

G344S Small G344M Medium G344L Large G344XL X Large G344XXL XX Large G344XXXL XXX Large G344XXXXL XXXX Large G344XXXXXL XXXXX Large



2013 Team T-Shirt - Navy blue

G342S Small G342M Medium G342L Large G342XL X Large G342XXL XX Large G342XXXL XXX Large G342XXXXL XXXX Large G342XXXXXL XXXXX Large



G338 2 Tone Beanie Knitted Hat



G315 Schumacher Pit Towel



G310 Schumacher Rubber Pit Mat 750mm x 500mm



S500B - Team Schumacher Banner 3ft x 6ft

Speed Secrets





U4890 - Alloy Spring Seat - Off Road - pr





U4228 - Alloy Yokes - 5deg - 2WD U4703 - Alloy Yokes - 0deg - 2WD



U4619 - Alloy Centre Track Rod - 2WD



U4620 - Alloy Hub Carrier Front L/R - 2WD





U4860 - Narrow Wheel Hex - Rear - pr



U7048 - Alloy Rear Link Mount - Cougar KC



U7134 - Alloy Front Link Mount - Cougar KC/D



U4996 - Ball Diff Complete - Cougar KC

U1954 - Pro - Thrust Bearing

U3740 - Diff Washers; 18mm - Cougar SV U3750 - Diff Output; Male - Cougar SV U3751 - Diff Output; Female - Cougar SV

U4997 - Ball Diff Pulley and Fences - Cougar KC U7110 - Ball Diff Rebuild Kit - Cougar KC

U7030 - Diff Balls T/C 2.5mm (pk14)



U4670 - Slipper Cage - KF2 U4671 - Mid Slipper Plate - KF2 U4673 - Slipper Spring- KF2



CR192 - Alloy Servo Arm 25T - Futaba Short CR193 - Alloy Servo Arm 23T - KO/Sanwa Short

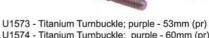
U4999 - Front Brass Weight - Cougar KC/D



U7047 - Wide Brass Rear Strap 3.50 - Cougar KC/D

U7100 - Rear Roll Bar Kit - Cougar KC U3499 - Roll Bar Blocks - Mi4 pk4

U4800 - Rear Roll Bar Ball - Black - CAT K2 - (2pcs)



U1574 - Titanium Turnbuckle; purple - 60mm (pr) U2566 - Titanium Turnbuckle; purple - 45mm (pr)





Both Wings Shown, Fit ONE wing only.

U7091 - Front Wing Mount Kit - Cougar KC/D U7092 - Front Wing Mount Mouldings - Cougar KC/D

U7093 - Front Wings - Cougar KC/D

Front Topdeck options. U7051 - Topdeck Pivot Pin - Cougar KC/D U7074 - C/F Topdeck Set (Pos'n 4) - Cougar KC/D

U7094 - C/F Topdeck Set (Pos'n 1) - Cougar KC U7095 - C/F Topdeck Set (Pos'n 2) - Cougar KC

U7096 - C/F Topdeck Set (Pos'n 3) - Cougar KC

U7098 - Alloy Sidepods (pr) - Cougar KC/D



U4719 - Alloy Pivot Blocks 4/1.5 deg - Cougar KC

Wheels, Tyres and Inserts

2WD Slim Cut Stagger



U6759 - Yellow Compound (pair) U6765 - Green Compound (pair)

Low Profile 2WD Slim Cut Stagger



U6770 - Yellow Compound (pair) U6771 - Green Compound (pair) U6775 - Silver Compound (pair)

U6776 - Blue Compound (pair)

2WD Slim Mini Spike 2

U6549 - Blue Compound (pair) U6550 - Green Compound (pair)

U6581 - Yellow Compound (pair) U6761 - Silver Compound (pair)



2WD Slim Mini Pin

U6609 - Yellow Compound (pair) U6779 - Silver Compound (pair)

Rear Mini Spike 2



U6516 - Green Compound (pair) U6518 - Blue Compound (pair) U6558 - Yellow Compound (pair) U6763 - Silver Compound (pair)

Rear 2" Block



T692 - Blue Compound (pair) U6786 - Yellow Compound (pair)

Rear Mini Pin 1



U6817 - Yellow Compound (pair) U6819 - Blue Compound (pair) U6820 - Silver Compound (pair)

Rear Mini Pin 2



U6803 - Blue Compound (pair) U6804 - Yellow Compound (pair) U6805 - Silver Compound (pair)

2.2" Rear Full Spike



U6596 - Yellow Compound (pair)

Stud 2 Row Front



U6797 - Yellow Compound (pair)

2WD Slim Mini Dart



U6824 - Yellow Compound (pair) U6827 - Blue Compound (pair)

U6830 - Silver Compound (pair)

Rear Mini Dart



U6826 - Yellow Compound (pair)

U6829 - Blue Compound (pair)

U6832 - Silver Compound (pair)

Tarmac Carpet Dry Astro Dry Grass Wet Grass Wet Astro

U6803 Blue U6805 Silver

U6817 Yellow

U6786 Yellow

U6826 Yellow

U6829 Blue

U692 Blue

00

U6819 Blue

Rear Mini Pin 1

Rear 2" Block

Rear Dart

Tyre Grip Guide

		lamac	Carper	Diy Asiro	Dry Grass	Wet Orass	WOLASHO
Slim Cut Stagger	U6759 Yellow		00	000	000		
— Currous	U6765 Green					000	00
	U6770 Yellow			1000	000		
	U6771 Green		90	999	999	000	
Slim Low Profile	U6775 Silver			_		000	
Cut Stagger	U6776 Blue			_		00	999
	Ub//6 Blue	00					
	U6581 Yellow		00	900	000		ĺ
	U6550 Green					000	00
Slim Mini Spike 2	U6549 Blue	00					
	U6761 Silver					00	999
							-
Slim Mini Pin	U6609 Yellow	•	000	00			
	U6779 Silver					00	000
	U6824 Yellow			000			
Slim Dart	U6827 Blue			00			
	U6830 Silver						900
Front Stud 2 Row	U6797 Yellow			00			
Rear 2.2" Full Spike	U6596 Yellow						
	U6558 Yellow			000	000		
Rear Mini Spike 2	U6518 Blue	000			00	00	
rtour Willin Opine Z	U6516 Green					000	
	U6763 Silver					00	000
	U6804 Yellow		900				
Rear Mini Pin 2	U6803 Blue	000		-			
SERVE SPECIFICAL MARKET				-			

Excellent Grip • • • Good Grip • • Fair Grip •

000 000

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999

12mm Hex Wheels

Black

U4365 - Rear

U4367 - Front

U4660 - Front Slim

White

U4366 - Rear

U4368 - Front

U4661 - Front Slim







Pre-Glued Yellow Compound Tyres on 12mm Hex White Wheels

Slim Front

U6795 - Mini Pin

U6801 - Cut Stagger Low Profile

U6833 - Mini Dart

Rear

U6794 - Mini Spike 2

U6806 - Mini Pin 2

U6818 - Mini Pin 1

U6835 - Mini Dart

Inserts

Front Slim Foam Inserts

U6667 - Hard (pair)

U6738 - Med (pair)

Front Medium Foam Inserts

U6652 - Hard (pair)

U6733 - Med (pair)

U6746 - Med Tubby (pair)

Rear Foam Inserts

U6653 - Hard (pair)

U6734 - Med (pair)

U6747 - Med Tubby (pair)