







**Instruction Manual 18801** 



71-73 Tenter Road Moulton Park Northampton NN3 6AX





#### **IMPORTANT SAFETY NOTES**

- We strongly recommend that anyone driving RC cars, or organising events, should obtain third party liability insurance. In the UK this can be done by joining the BRCA. www.brca.org
- 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.

# **ADDITIONAL ITEMS REQUIRED**



2S Shorty LiPo Battery



Motor and Pinion Gear



**Battery Charger** 



Radio Equipment



Steering Servo

**TOOLS REQUIRED** 



Tyre/CA Glue

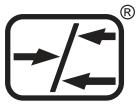


**Electronic Speed Controller** 



Polycarbonate Paint

# 1.5mm Hex Driver - U2789 2.0mm Hex Driver - U2790 2.5mm Hex Driver - U2791 3.0mm Hex Driver - U2792 5.5mm M3 Nut Driver - U2795 7.0mm M4 Nut Driver - U2796 Body Reamer - U2818 Pliers - CR528 Side Cutters - CR527 Soldering Iron - CR275



Solder - U3107

Curved Scissors - CR044

Wiha PZ1 x80mm Screwdriver - HW011











#### **ICON KEYS**



CORE RC High Performance Lithium Grease10ml - CR752



CORE RC Medium Strength Thread Lock 3ml - CR520



CORE RC Molybdenum Thrust Race Grease - 10ml - Pot - CR755



CORE RC Low Strength Thread Lock 3ml - CR865



Caution/Important note. Please read.



Information. Please read.



Front Left of car.



Front Right of car.

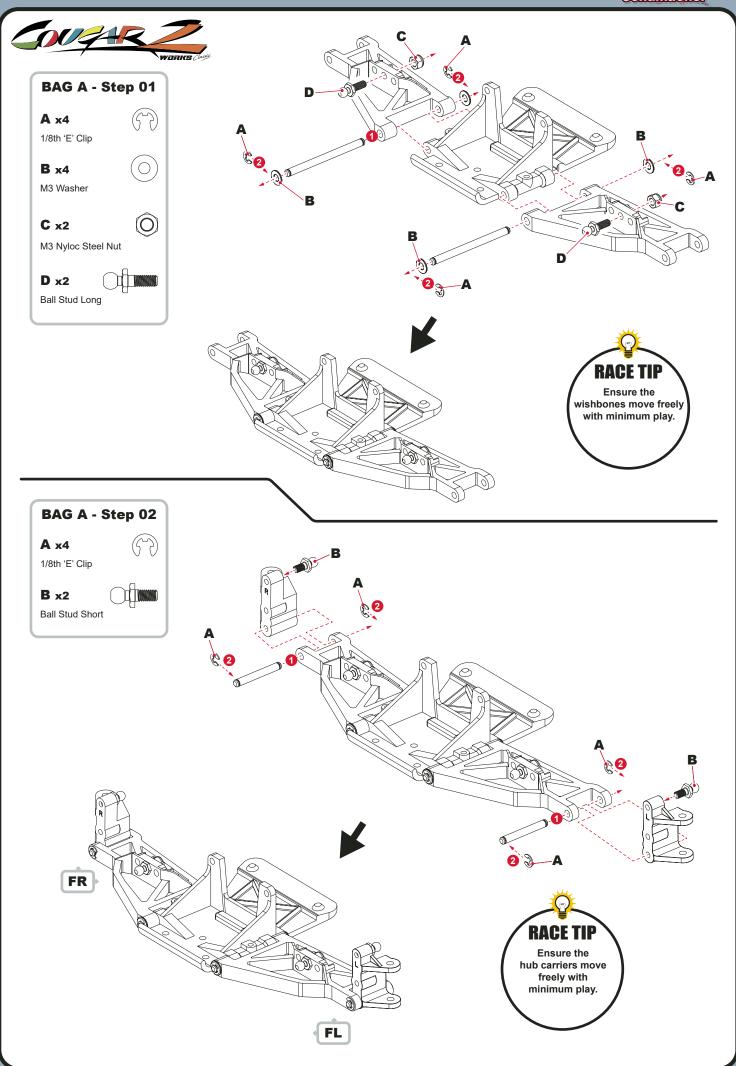
RL

Rear Left of car.

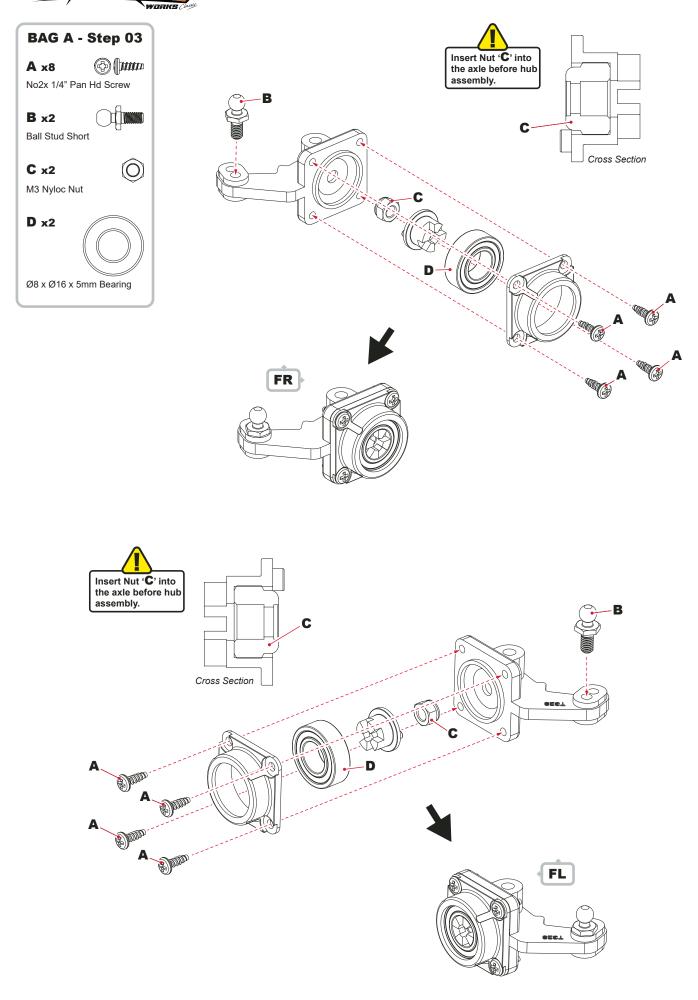
Rear Right of car.

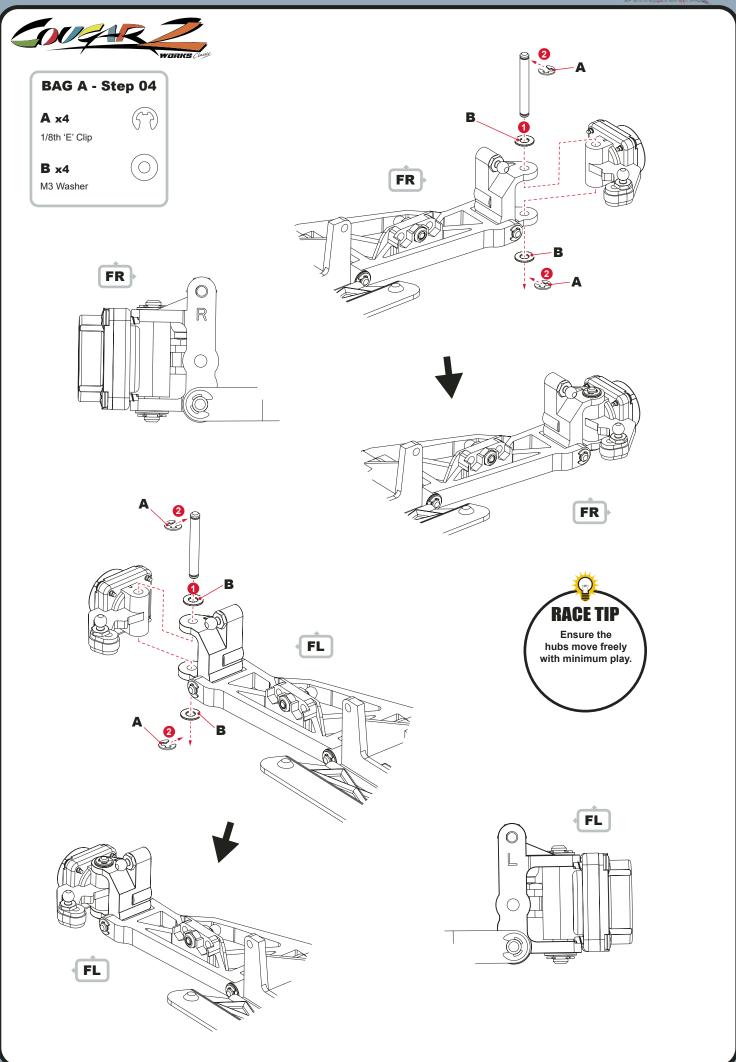


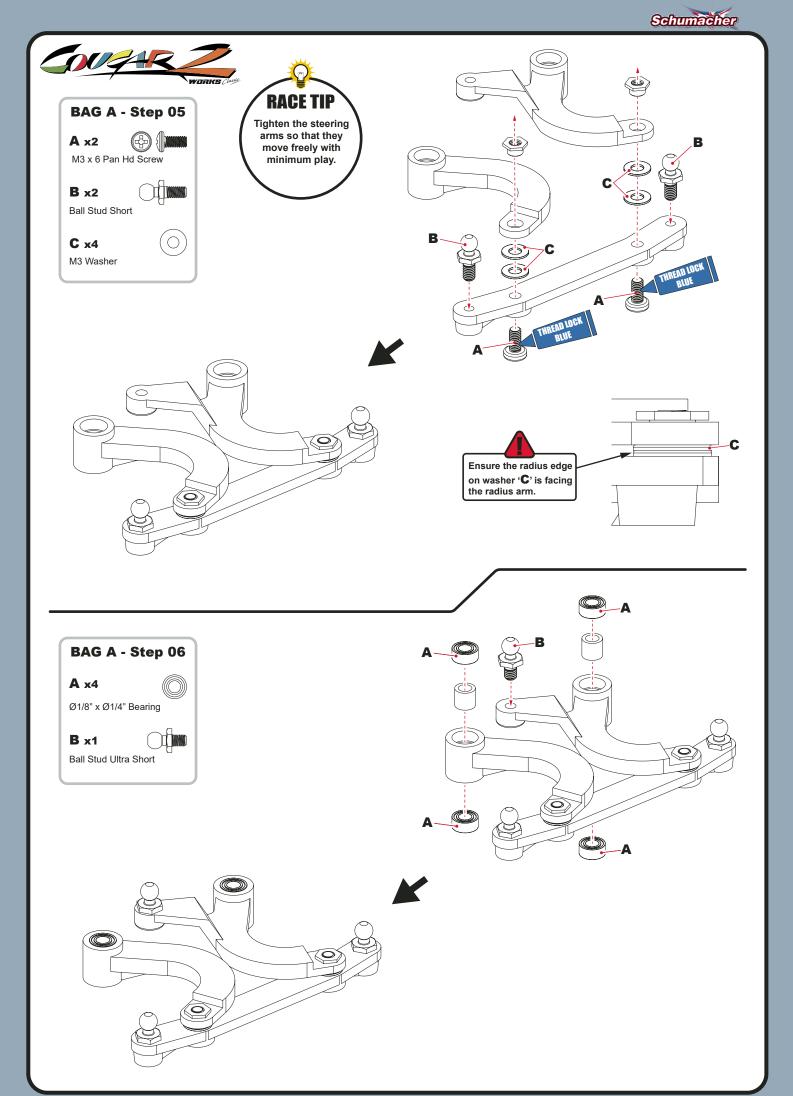
Additional information that will help you build a faster race car.

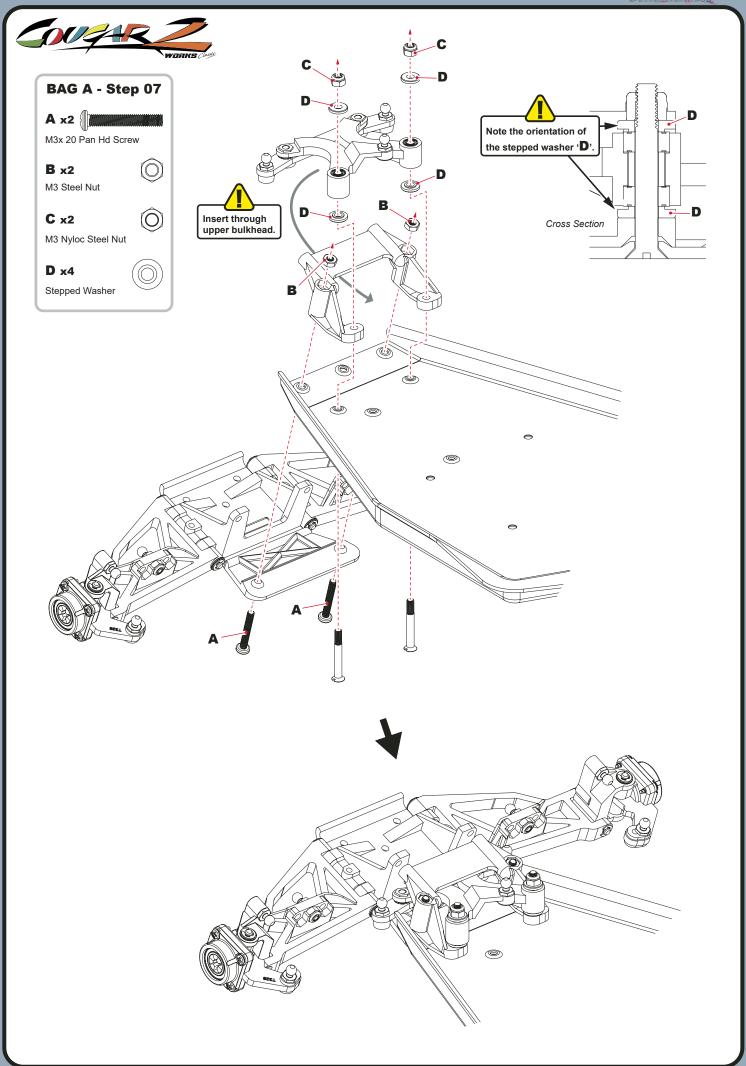


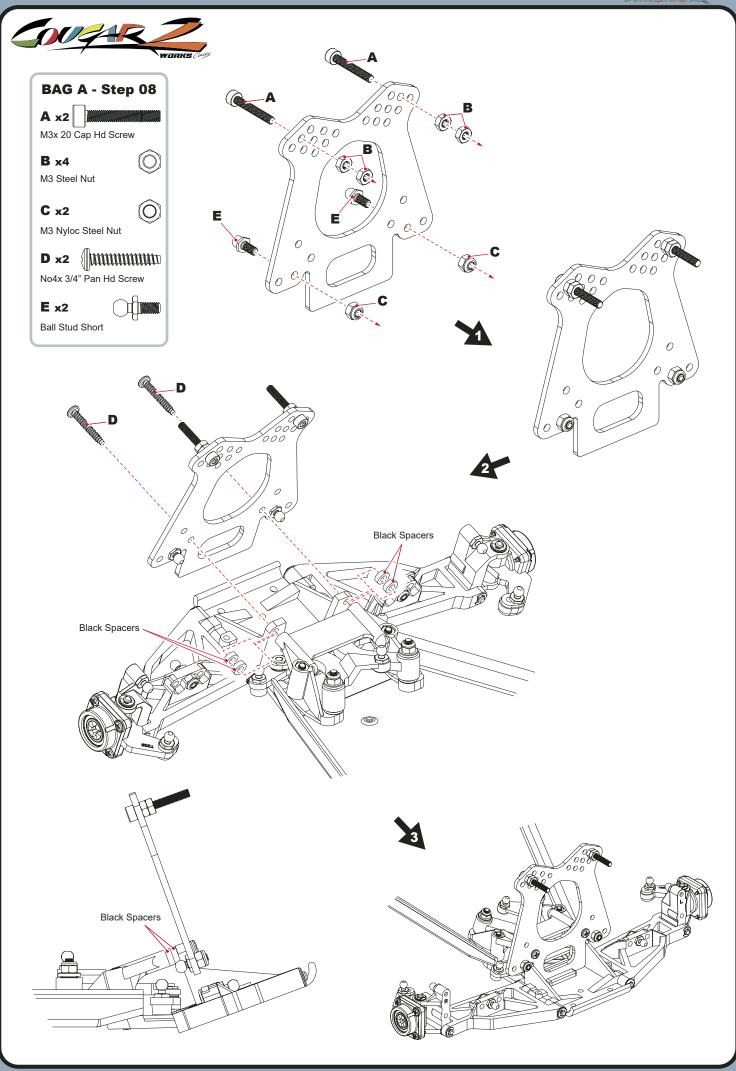


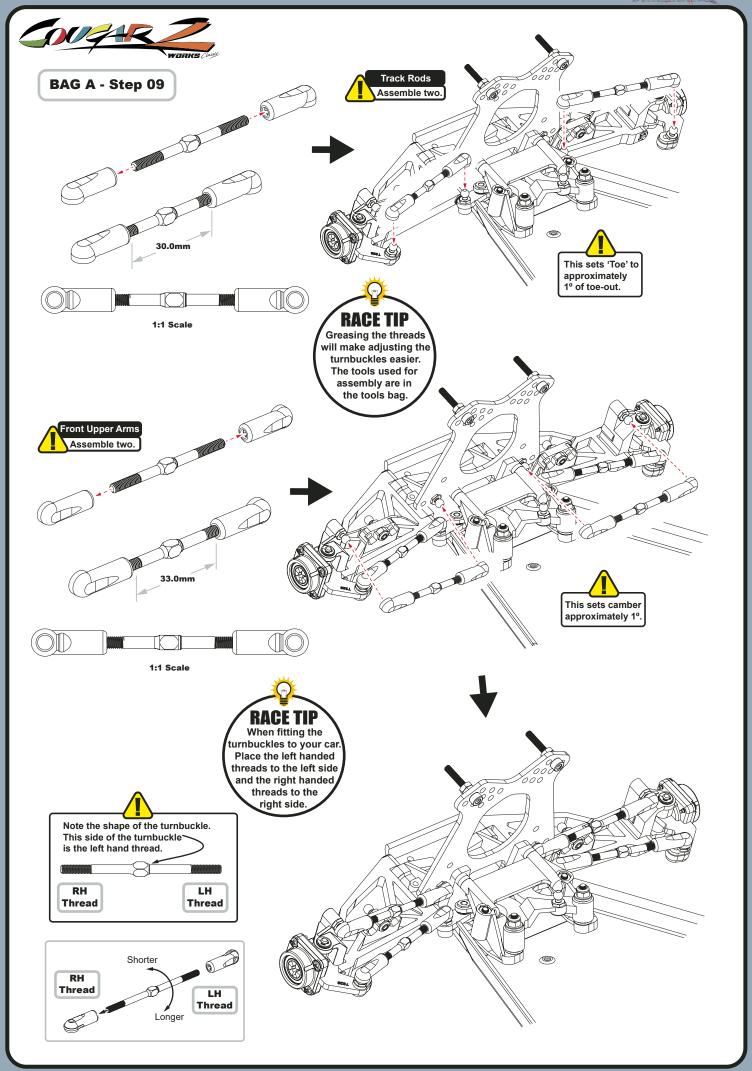


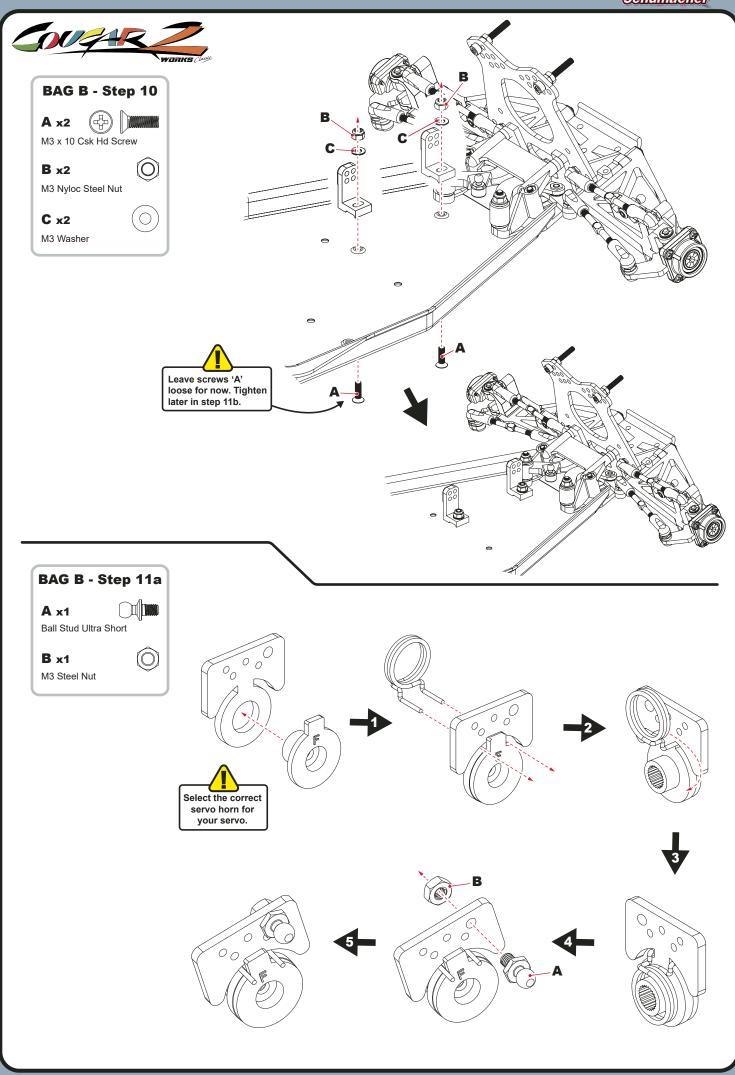


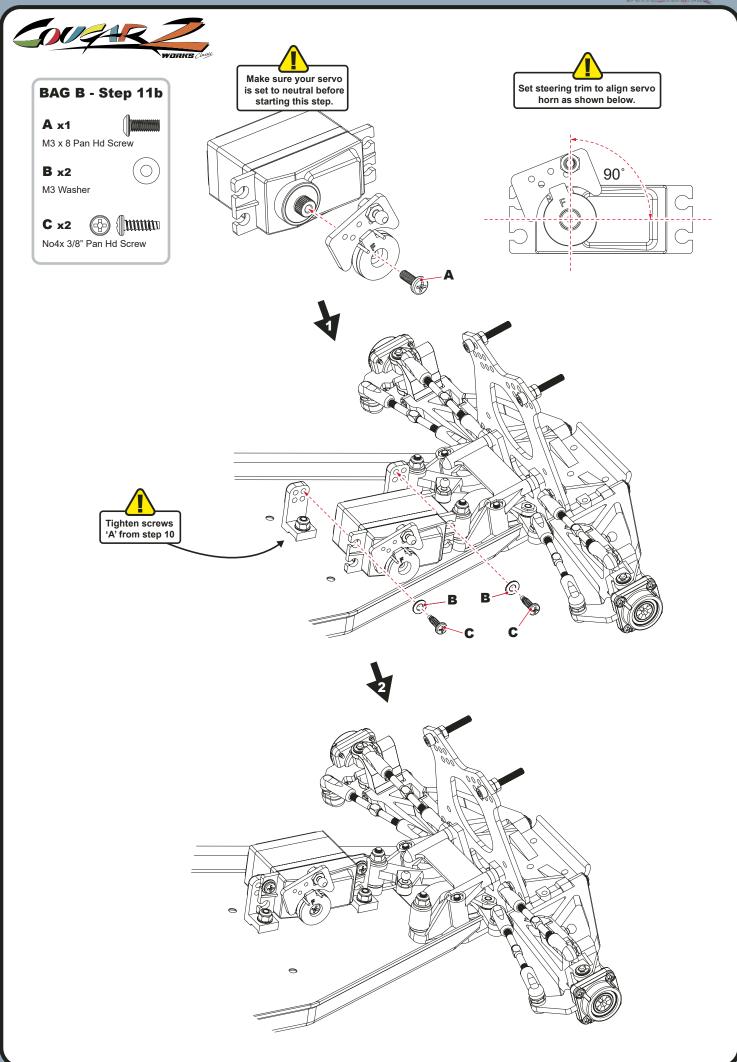


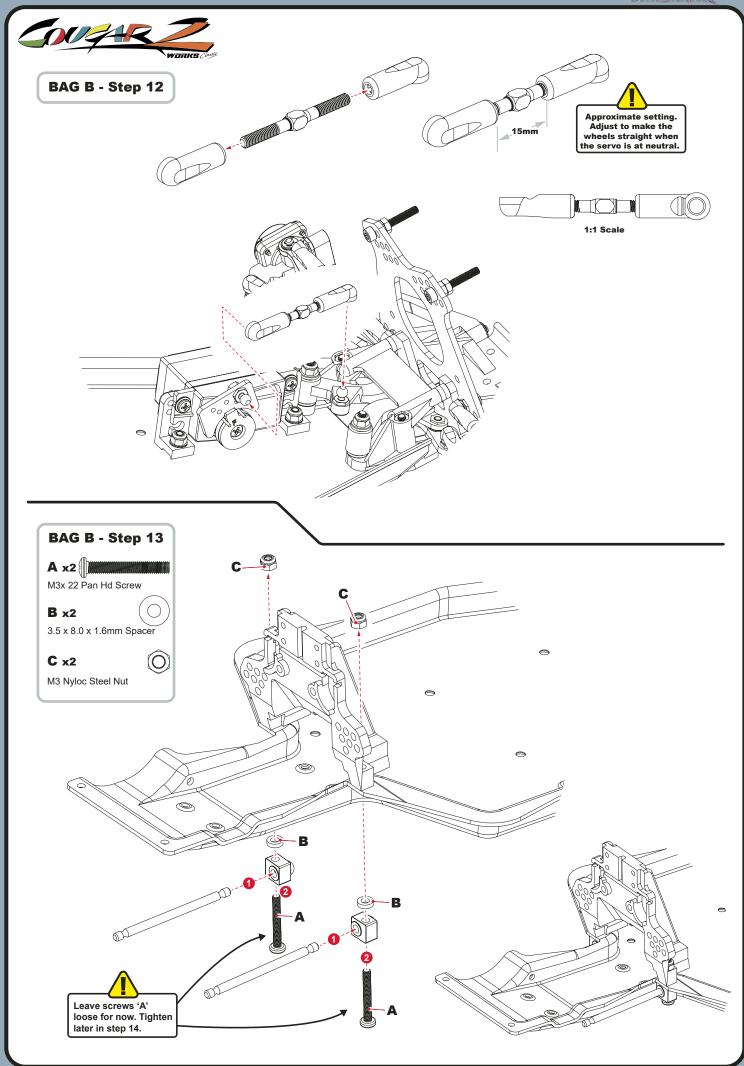


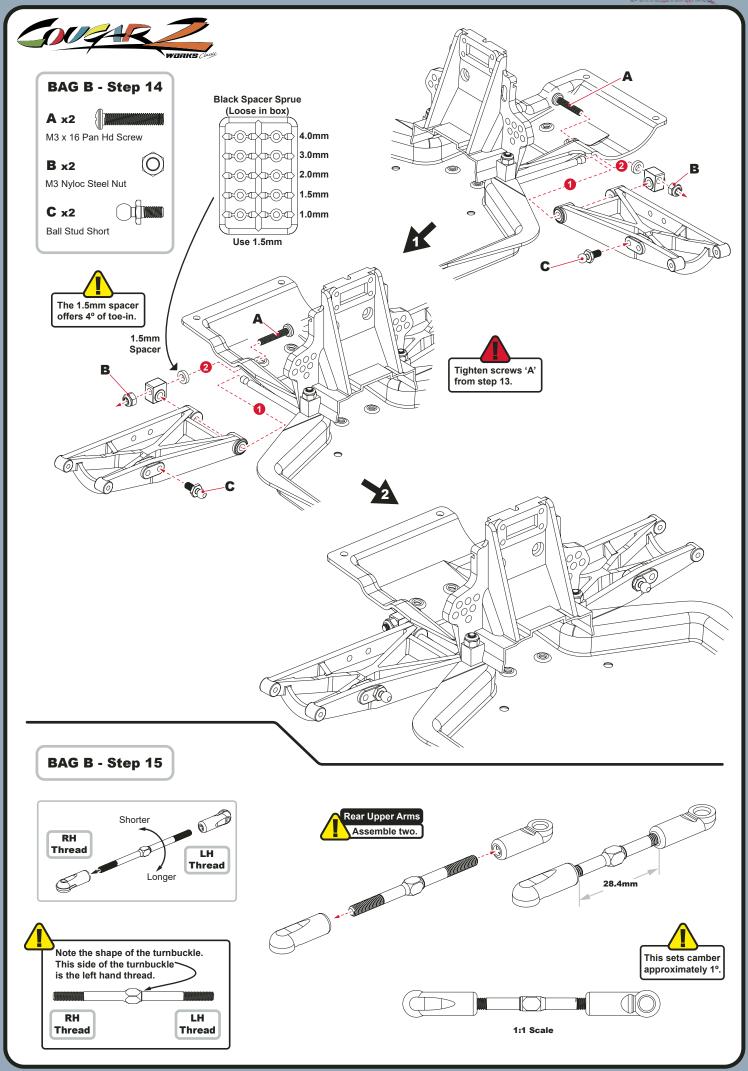


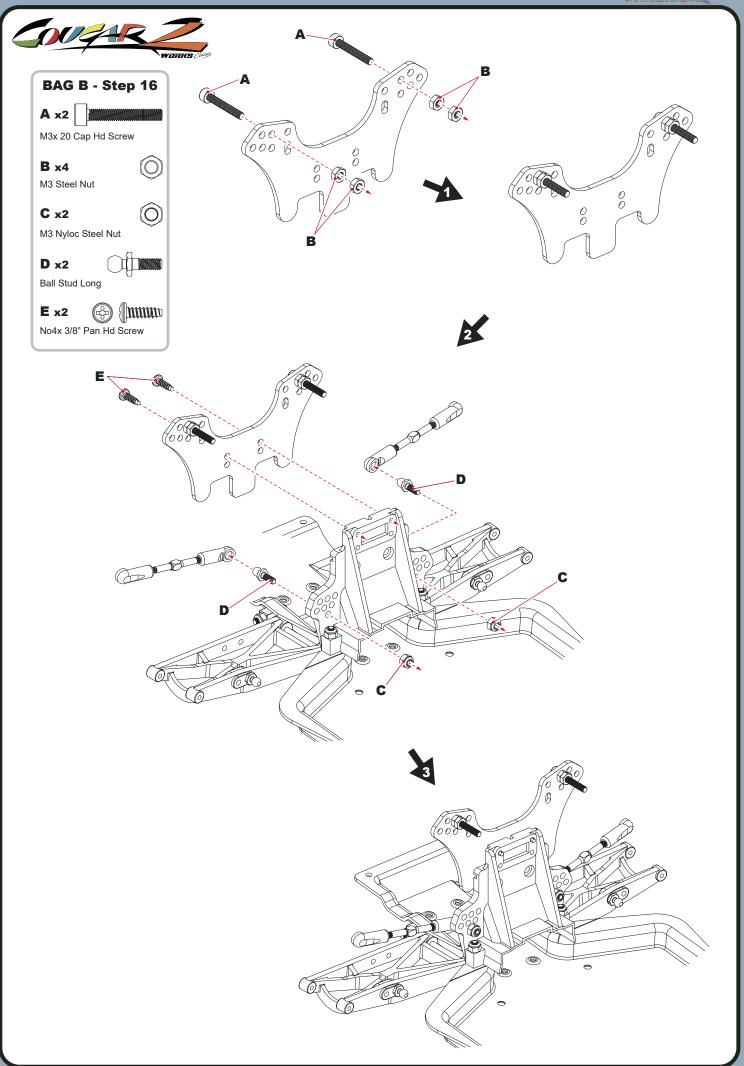


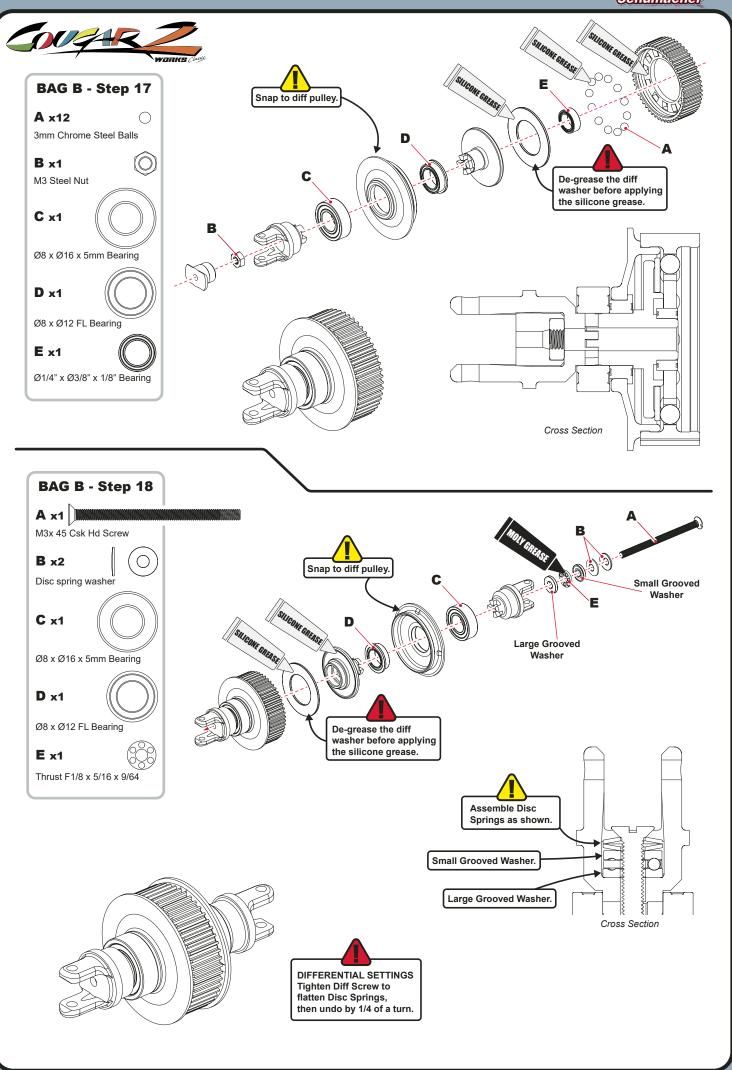


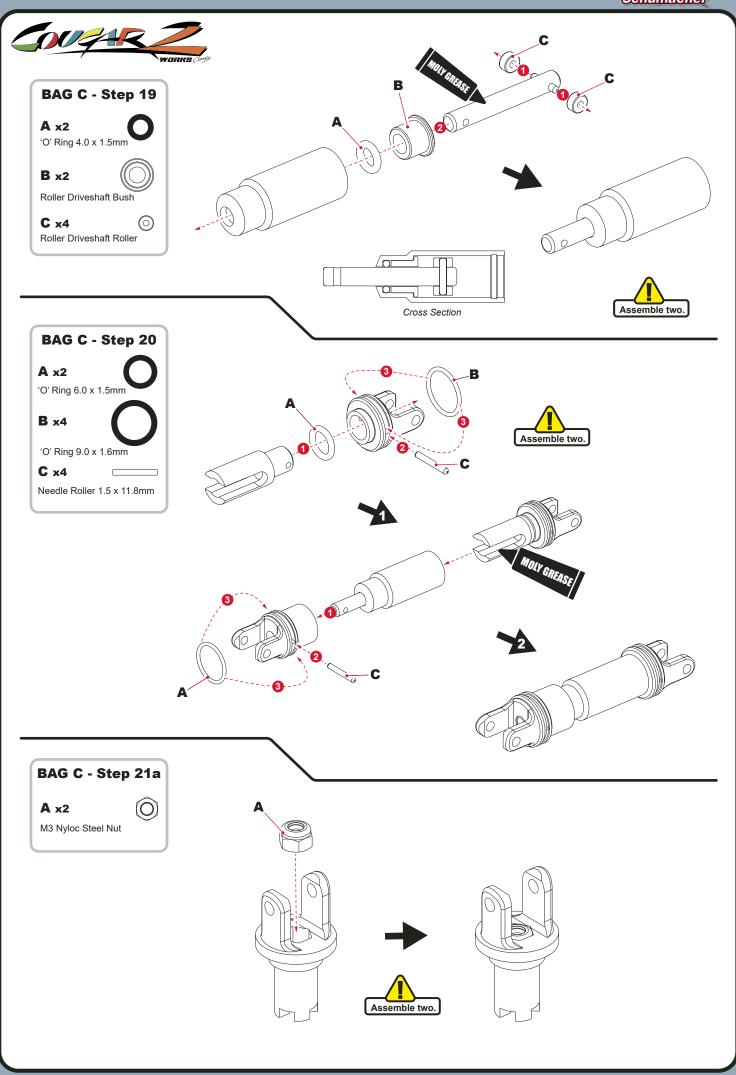


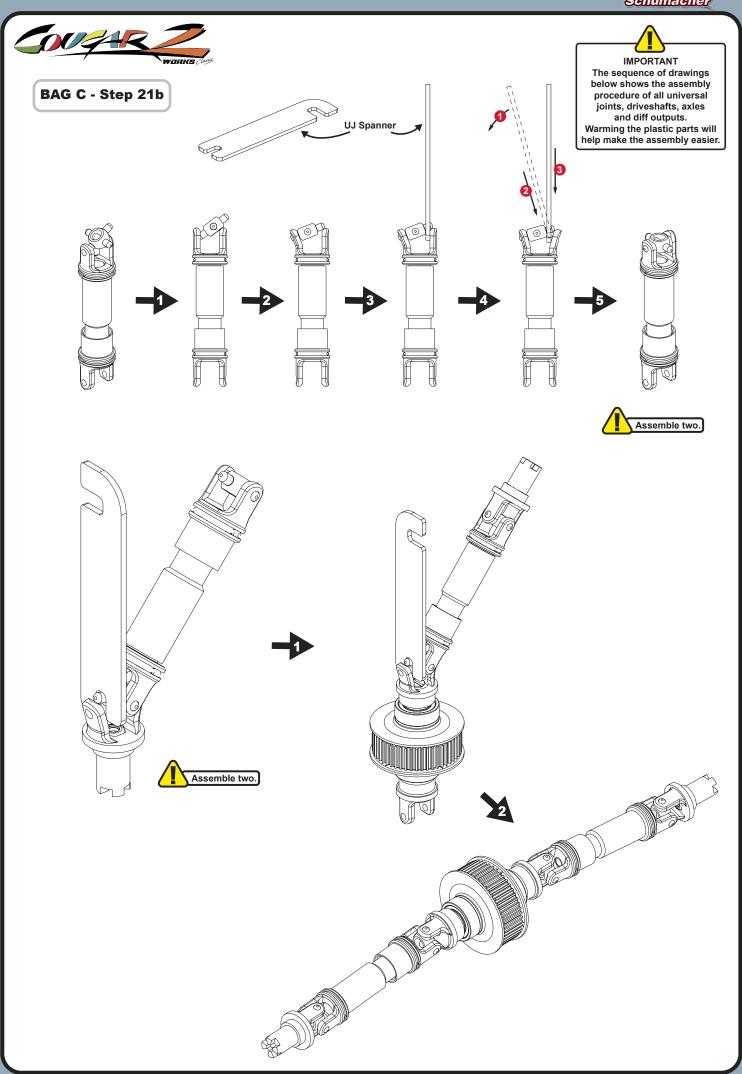


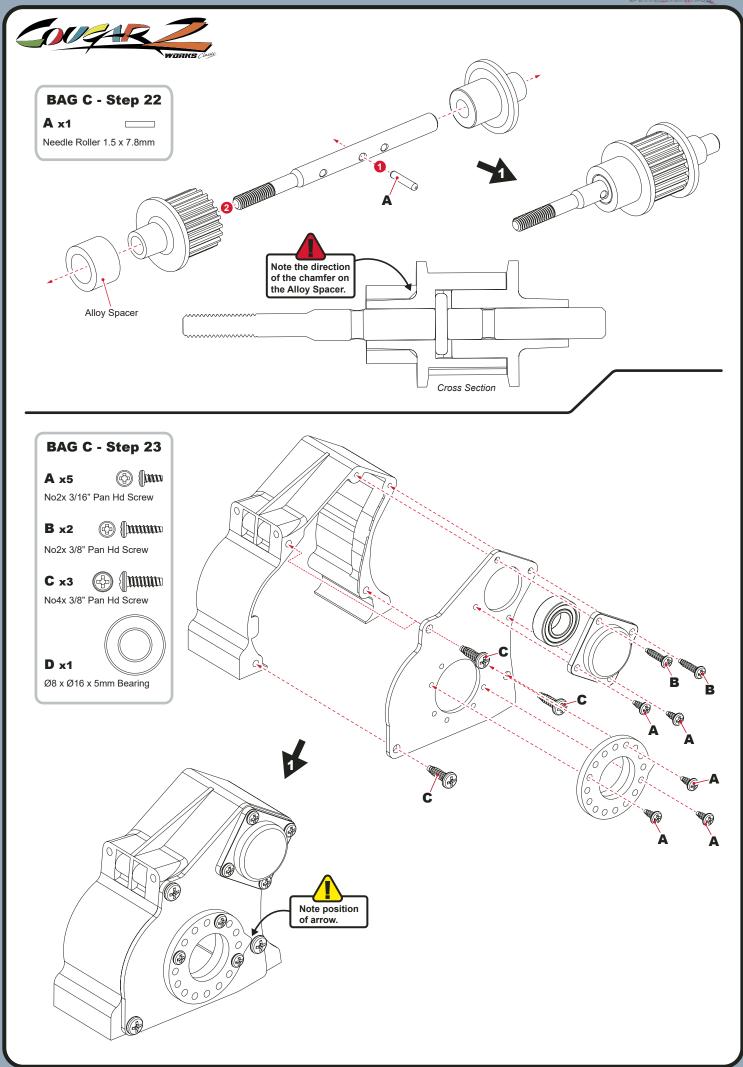














# BAG C - Step 24a

**A** x5



No2x 3/16" Pan Hd Screw

**B** x2



No2x 3/8" Pan Hd Screw

**C** x3





No4x 3/8" Pan Hd Screw

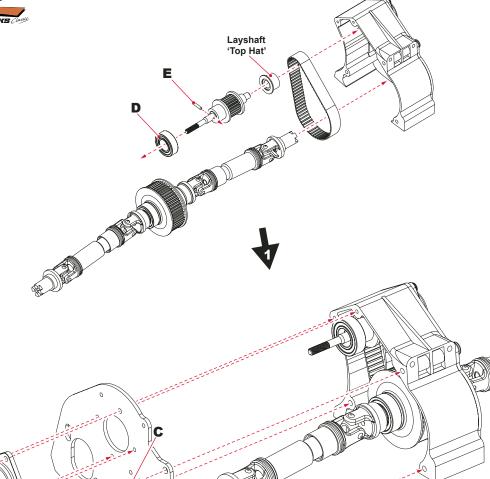
**D** x1

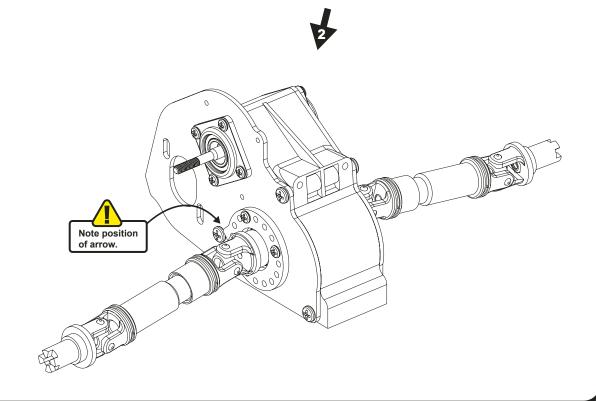
Ø8 x Ø16 x 5mm Bearing

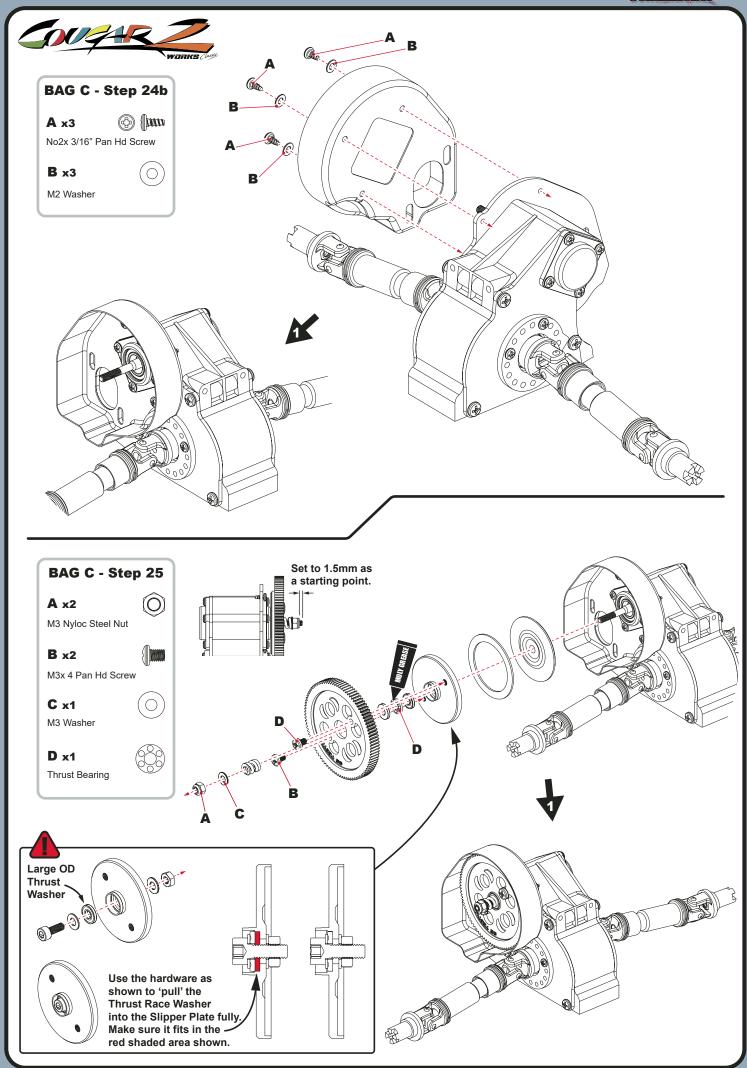
**E** x1

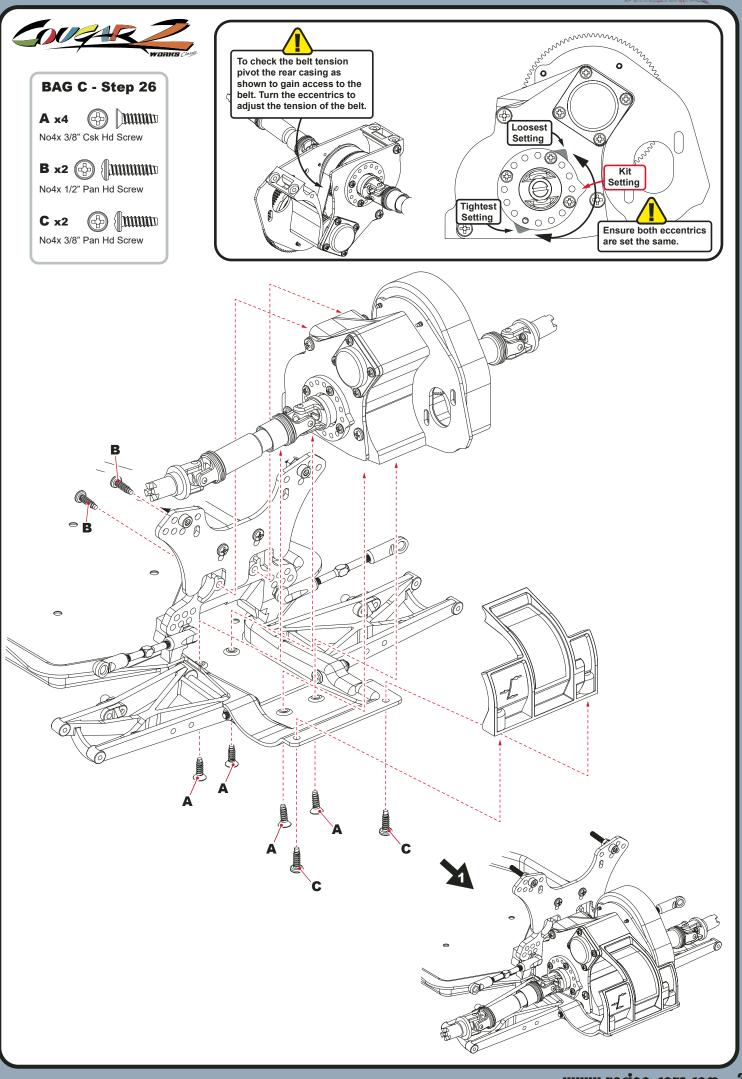


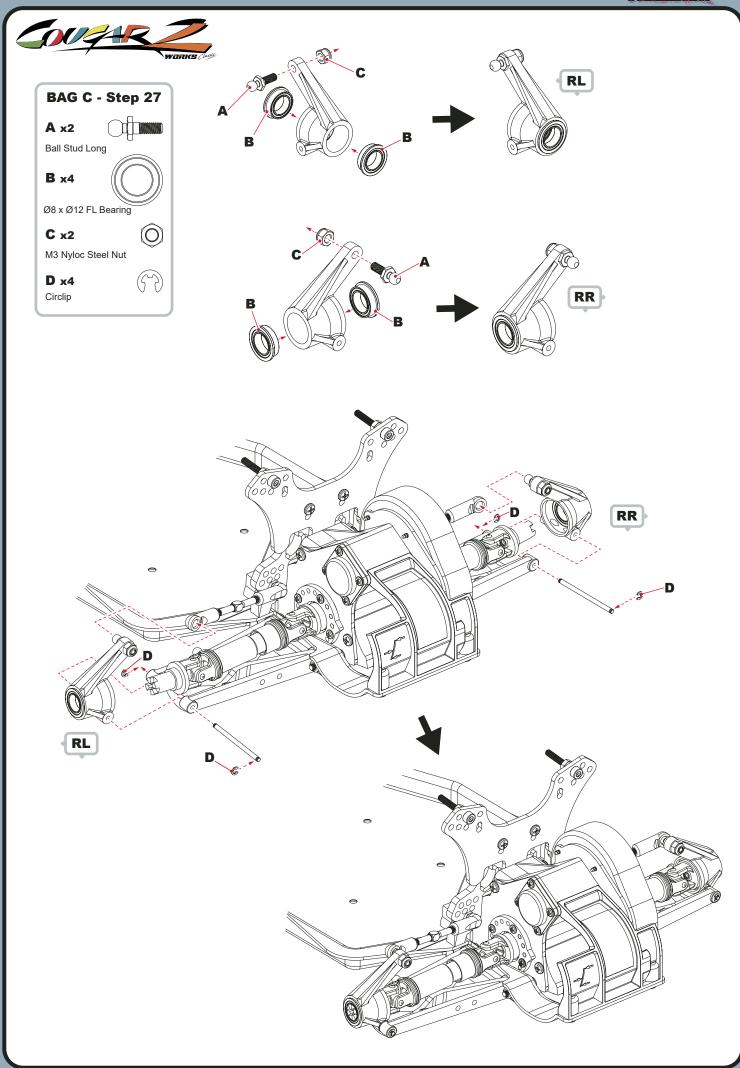
Needle Roller 1.5 x 7.8mm

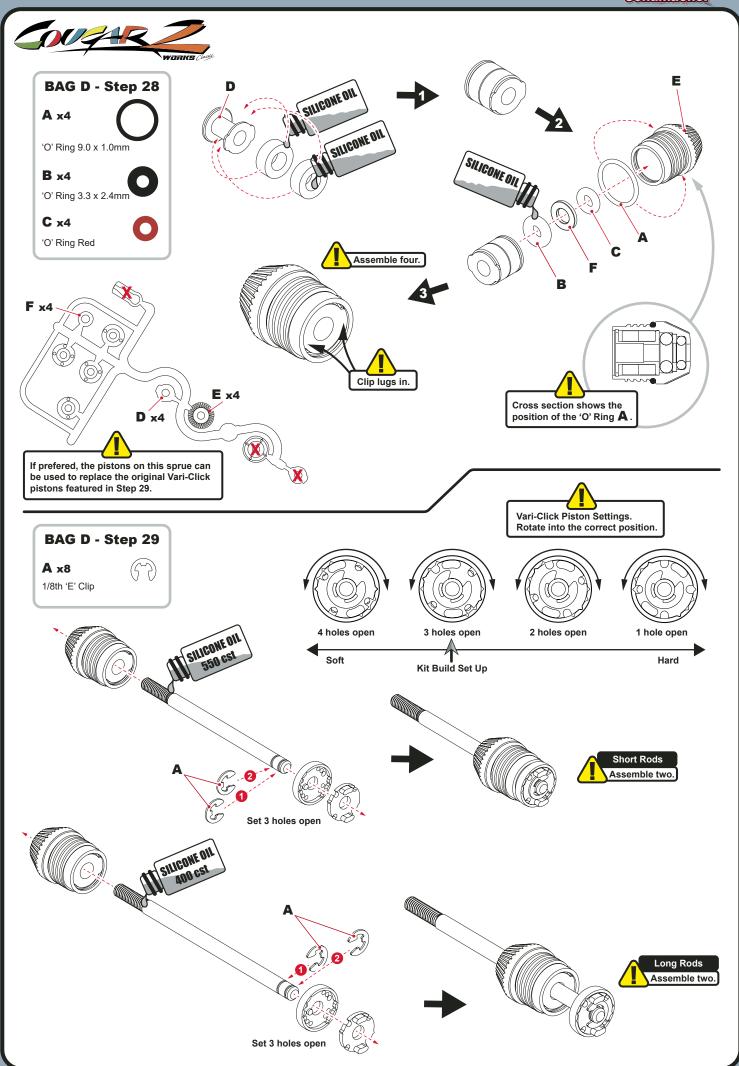




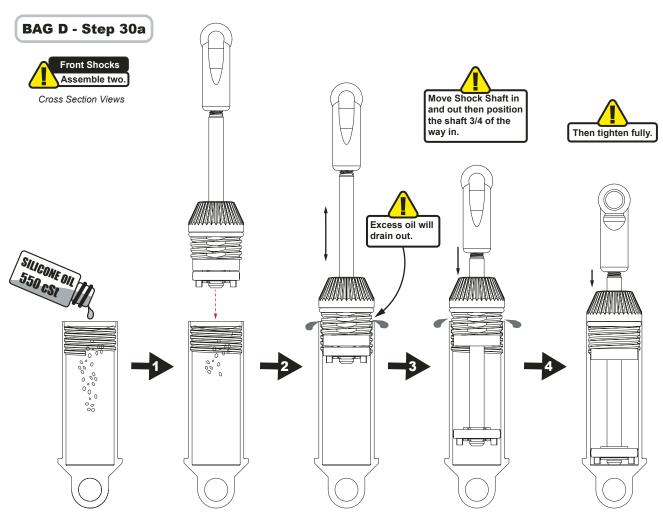






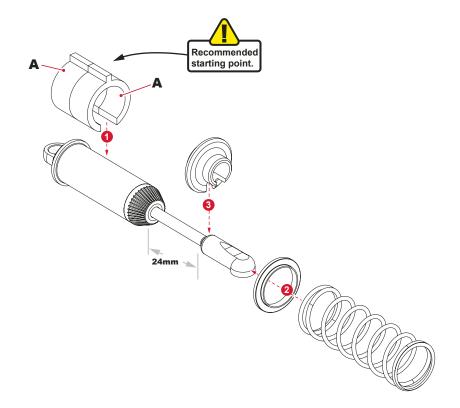


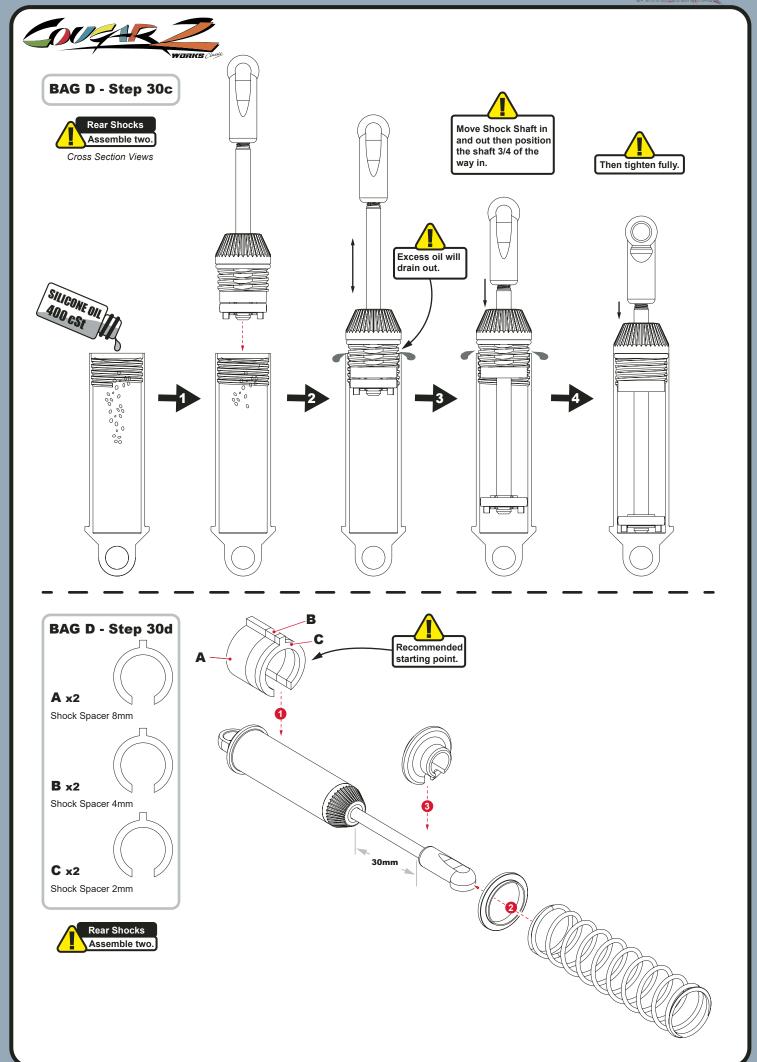


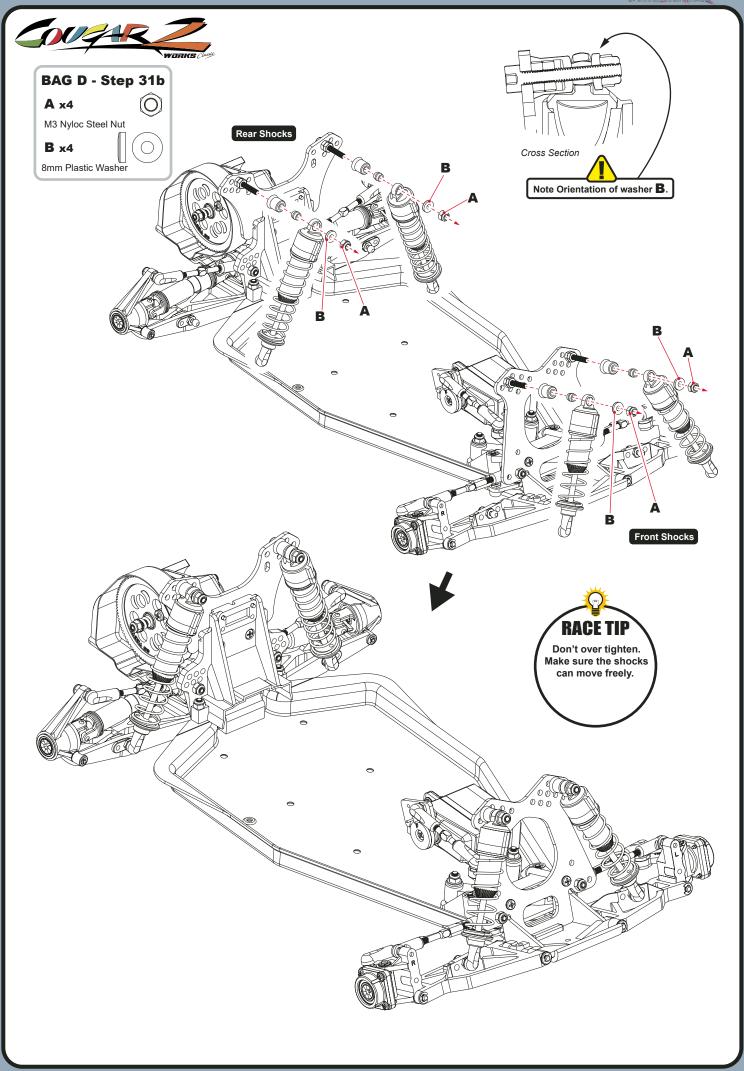


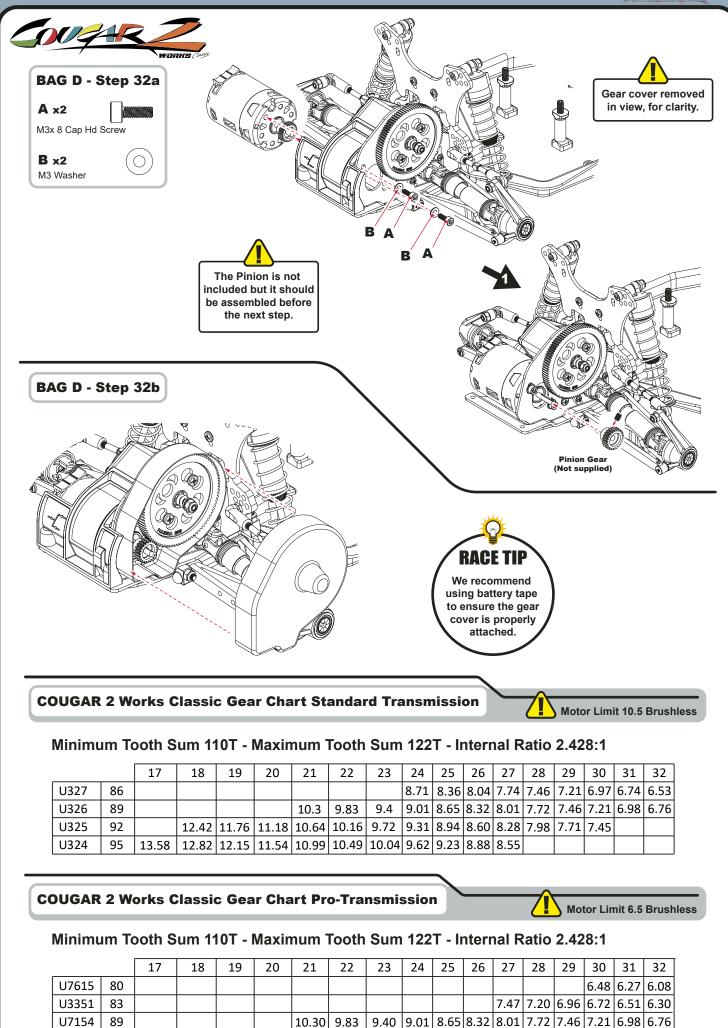








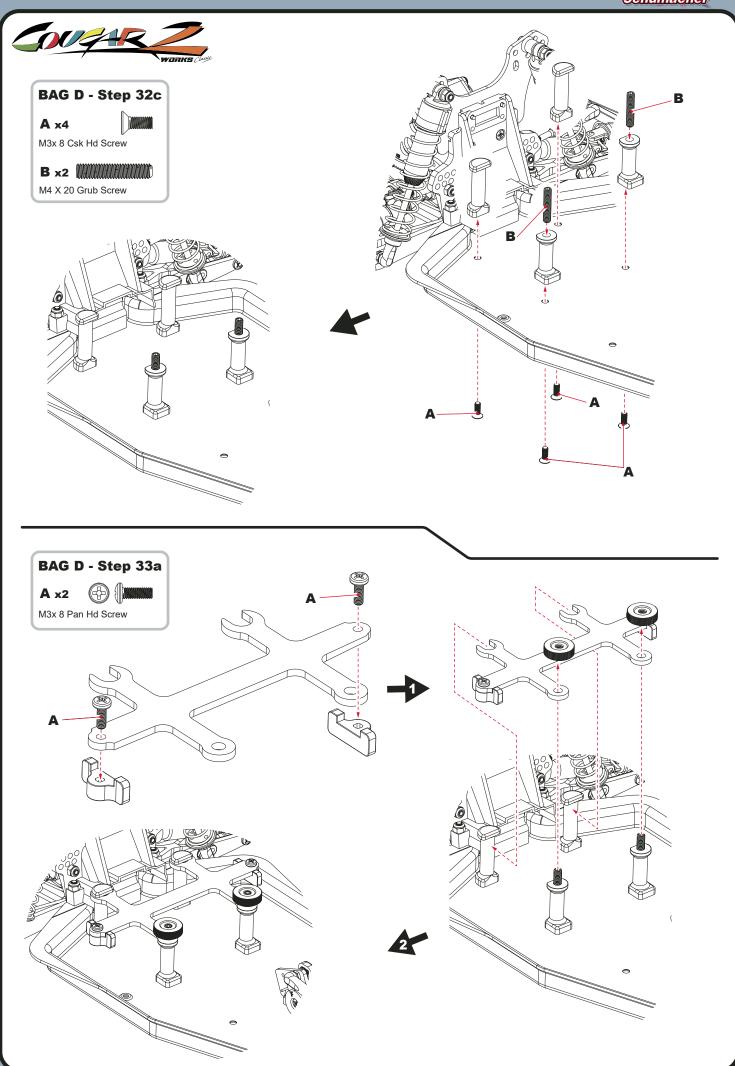


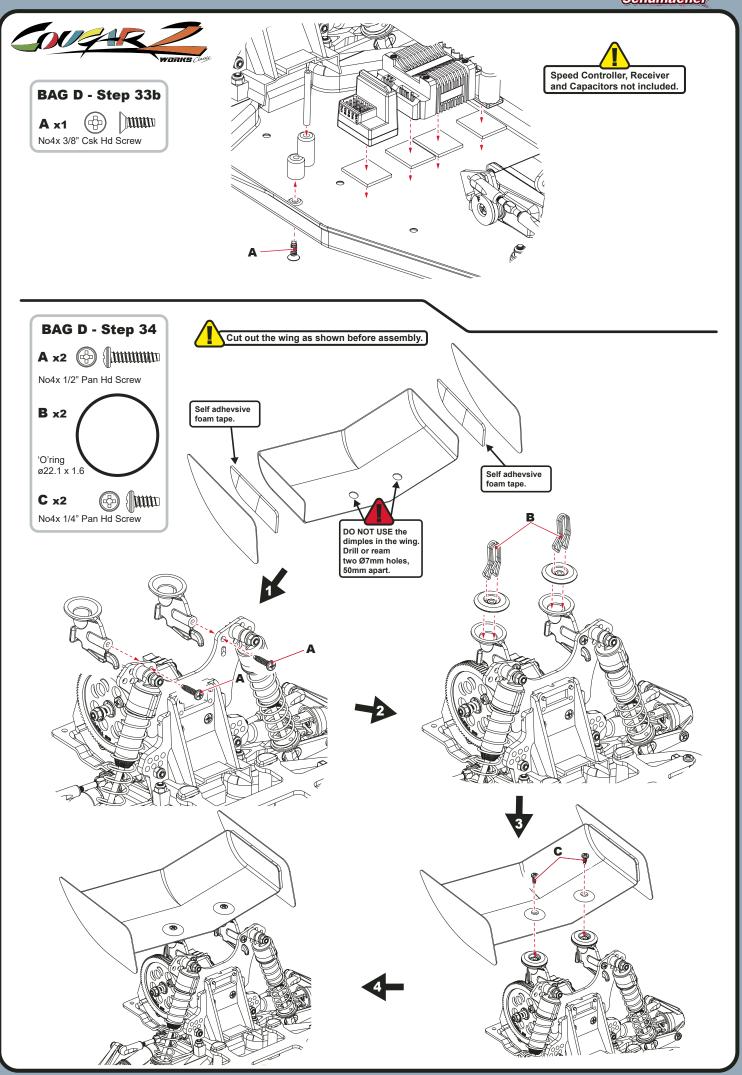


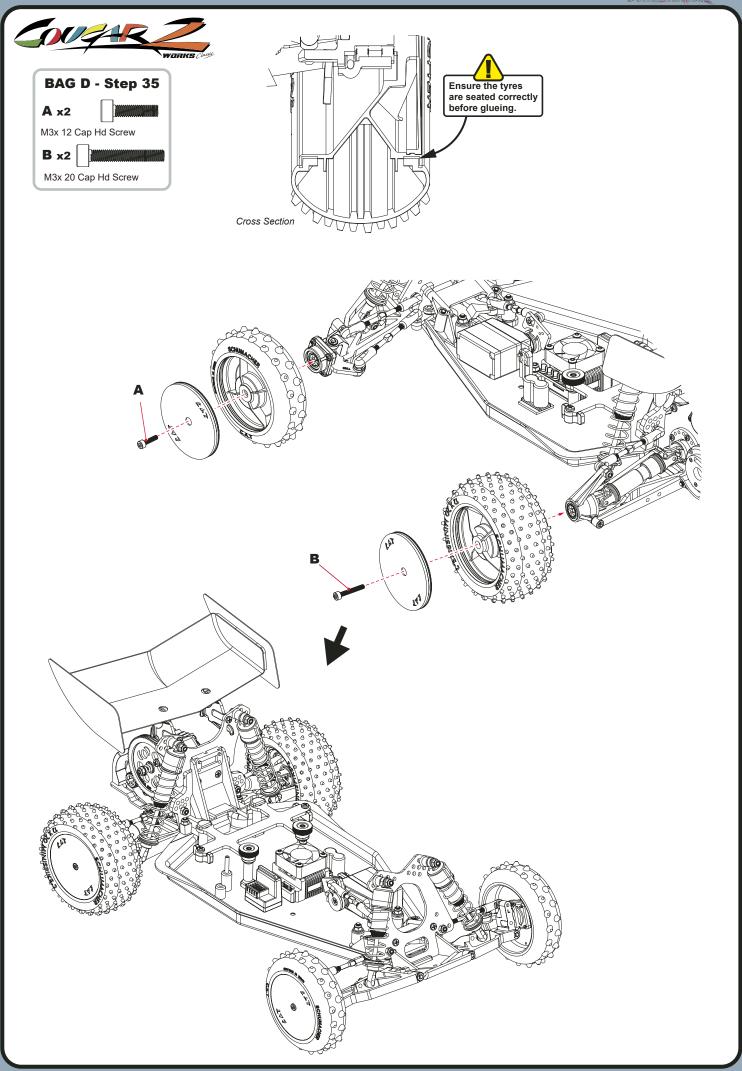
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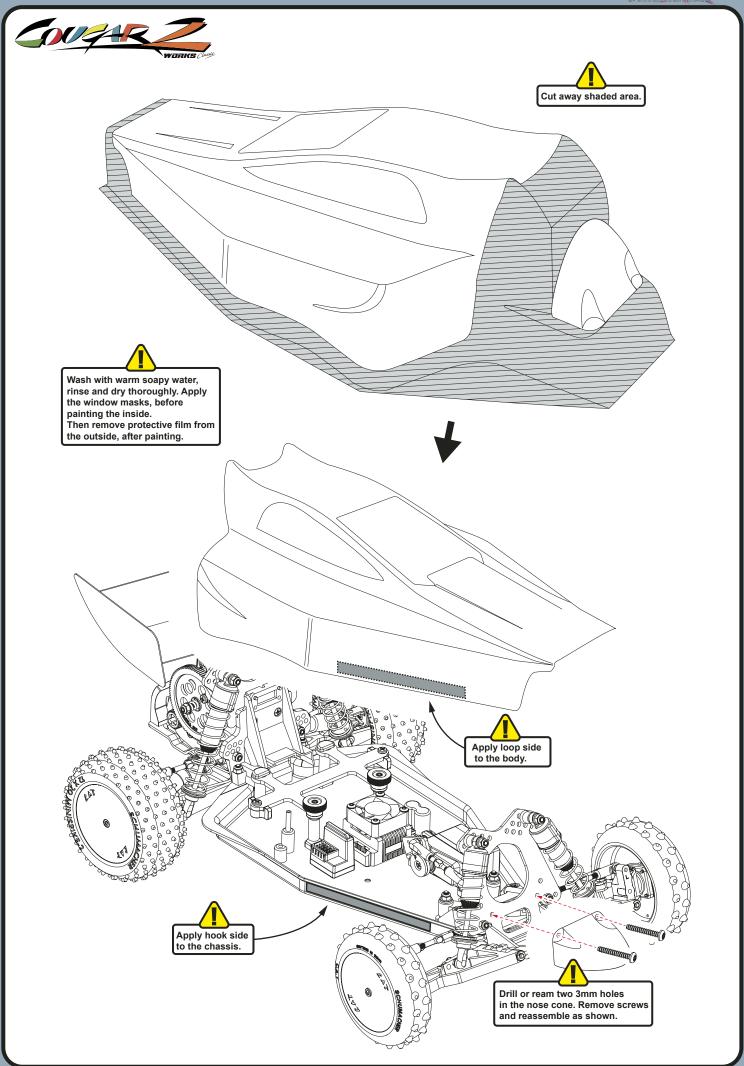
95

U4163











# TRACK SETTINGS

#### **RIDE HEIGHT**

Use the spring adjusters on the shock absorbers to adjust the front and rear ride heights. With the car level, we recommend setting the ride height to around 17mm on astro, 21mm on dirt and 13-15mm on carpet. (16mm if there are large jumps in the track).

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.

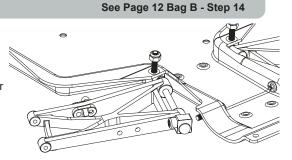
If the suspension needs to be softer or harder change the spring.

See Page 09 Bag B - Step 17 & 18

#### **REAR TOE**

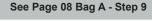
The base setting for rear toe in is  $4^{\circ}$ , this is a good compromise between forward traction and the car binding in the turns. This setting is fine for most tracks. You can alter the toe in by adding/removing washers behind the rear suspension mount. If you are running too much toe in, your 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.

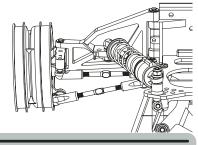
A good starting position is 1.5° on carpet and 4.0° on low grip dirt and wet astro.



#### **FRONT TOE**

Front toe should be set to 0° (both front wheels pointing straight ahead) this will be the best setting for most track conditions. Adding toe out will increase initial turn in and make it smoother to drive on power. The team generally run 1° toe out on Astro tracks.



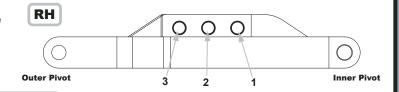


See Page 2 Bag A - Step 1

See Page 12 Bag B - Step 14

#### FRONT WISHBONE SHOCK MOUNTING HOLE

The middle hole (2) 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.



#### **REAR WISHBONE SHOCK MOUNTING HOLE**

Hole 1 works best for most track conditions giving good traction and drive through the turns whilst maintaining good stability over the bumps. Moving to hole 2 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.

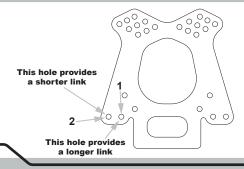
# Puter Pivot Inner Pivot



#### FRONT CAMBER LINKS

The kit settings for the front camber link position (1) and length are used by the team for most tracks. A longer front link (Hole 1) makes the front of the car roll more and offers less steering reaction at high speed. We would recommend this on fairly smooth high grip tracks. A shorter front link (2) will make the car roll less and speed up the cars initial steering response. This is a better choice for bumpy, low grip tracks.

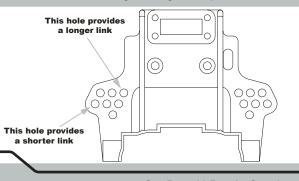
#### See Page 07 Bag A - Step 8



#### **REAR CAMBER LINKS**

The kit setting for the rear camber link is the best compromise for most tracks. The longer links will make the car roll more and gain side traction, making the car easier to drive. 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.

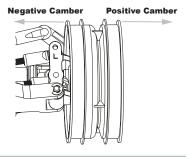
#### See Page 13 Bag B - Step 16



#### **FRONT CAMBER**

The usual team setting for static front camber is 1-2° 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.

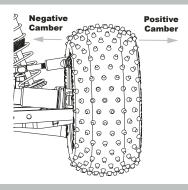
See Page 08 Bag A - Step 9



#### **REAR CAMBER**

The usual team setting for static rear camber is 1° 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.

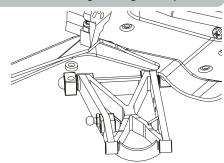
See Page 12 Bag B - Step 15



#### **REAR ANTI SQUAT**

The Kit build anti squat is set at 2°. This works best on most tracks. The anti-squat can be reduced by adding a washer above the front pivot block, or increased by removing the kit 1.6mm washer, (the wishbone may need to be trimmed for clearance). 1.6mm of adjustment = 2°. If you increase the anti squat angle you will find the car will support itself better through aggressive bumps and reduce over rotation on corner exit. It's best to stay between 1 and 2 degrees.

#### See Page 11 Bag B - Step 13





#### **SPARES LISTS**

|  | Parts |  |
|--|-------|--|
|  |       |  |

| U119  | Aerial Tube - Pack 4                               |
|-------|--|
| U322  | Lower Front Susp Plate - 2WD                       |
| U1042 | Aerial Mount - Universal                           |
| U2204 | Wing Mount Kit                                     |
| U4765 | Lipo Post Nut 2pcs - Off Road                      |
| U4778 | LiPo Stops 4pcs - Off Road                         |
| U7045 | Lipo Posts Std - KD,KC,L1/EVO,XLS,TC,LD/2,ST,CC,PC |

| U7546 | Servo Mounts (pr) - TC,CC           |
|-------|-------------------------------------|
| U7550 | Shorty LiPo Strap S2 - TC,CC        |
| U7588 | Rear Motor Guard - TC,CC            |
| U8291 | Front Bulkhead - Cougar Classic     |
| U8304 | Servo Saver Set - Cougar Classic    |
| U8306 | Centre Track Rod - Cougar Classic   |
| U8843 | Ball Raced Steering Post (pr) - C2W |
| U8932 | Steering Radius Arm (pr) - C2W      |

| 00002 | Otoching Madida Ann (pr) - 0211   |
|-------|-----------------------------------|
| U8934 | Chassis - C2W                     |
| U8935 | Rear Bulkhead - C2W               |
| U8937 | C/F Front Shock Mount - C2W       |
| U8938 | C/F Rear Shock Mount - C2W        |
| U8941 | Centre Track Rod Pivot (pr) - C2W |
| U8952 | Motor Plate - C2W                 |

| U8952 | Motor Plate - C2W          |
|-------|----------------------------|
| U8953 | Cover Plate - C2W          |
| U8956 | Transmission Housing - C2W |

| 00000 | Transmission in |
|-------|-----------------|
| U8963 | Manual - C2W    |

## **Bodys & Decals**

| U5149 | Wing and End Plates - C2W              |
|-------|--|
| U5150 | Bodyshell + Decals + Window Mask - C2W |
| U8962 | Gear Cover (pr) - C2W                  |
| U8969 | Decal - C2W                            |

#### **Transmission**

| U324  | 95T QC Slipper/Visco Gear - 48 DP          |
|-------|--|
| U4106 | Slipper Spring - SVR,KR,K1/Aero,L1/EVO/R   |
| U7152 | UJ Assembly pr - XLS,TC,CC,PC              |
| U7260 | SPEED PACK Disc Spring 8x3.2x0.5mm (pk8)   |
| U7571 | Front Axles (pr) - TC,CC                   |
| U7586 | Belt 72T 8.0 Wide (Kit) - TC,CC            |
| U7590 | Alloy Layshaft Bush - TC,CC                |
| U7594 | Layshaft Pulley Set (Kit) - TC,CC          |
| U7596 | Front Wheel Bearing Retainers (pr) - TC,CC |
| U8931 | Driveshaft Rod (pr) - C2W                  |
| U8939 | Diff Outputs (pr) - C2W                    |
| U8940 | Diff Mouldings (4pcs) - C2W                |
| U8942 | Ball Differential - C2W                    |
| U8944 | Alloy Washer Carriers (pr) - C2W           |
| U8945 | Diff Washer (pr) - C2W                     |
| U8946 | Driveshaft Body (1pc) - C2W                |
| U8947 | Driveshaft Mouldings (8pcs) - C2W          |
| U8949 | Driveshaft Bush (pr) - C2W                 |
| U8950 | Driveshaft Fork (1pc) - C2W                |
| U8954 | Eccentric (pr) - C2W                       |
|       |  |

#### **Bearings & Balls Cont.**

| U7216 | Thrust Race F1/8 x 5/16 x 9/64 Grvd - XLS,TC,CC,PC |
|-------|--|
| U7726 | Pro-Ball Bearing 6x12x4 Sealed - (pr)              |
| U8981 | Ball Diff Rebuild Kit - C2W                        |
| U8983 | Ball Bearing - 8x12x3.5 Shield Flanged - (pr)      |
|       |  |

#### **Hardware**

| maruv | Nait                                      |
|-------|---|
| U1247 | SPEED PACK - Wing Mount 'O' Ring          |
| U1537 | SPEED PACK - Short Self Tap Pan           |
| U1539 | SPEED PACK - Self Tap Csk Hd              |
| U1540 | SPEED PACK - Short M3 Pan Hd              |
| U1541 | SPEED PACK - Medium M3 Pan Hd             |
| U1547 | SPEED PACK - M3 Nuts                      |
| U1548 | SPEED PACK - M3 Washers                   |
| U1551 | SPEED PACK - E Clips -2 x 8pcs            |
| U1565 | SPEED PACK - Small Self Tap; PanHd        |
| U1633 | SPEED PACK - Small Pins (pk)              |
| U1960 | SPEED PACK - O Rings; Various             |
| U1962 | SPEED PACK - O Rings3.3x2.4ID - pk6       |
| U4220 | 'O' Ring 9.0x1.0 (pk10)                   |
| U7090 | SPEED PACK - M4x20 Grub Screw (pk4)       |
| U7112 | SPEED PACK - M3x8 Cap Hd (pk10)           |
| U7164 | SPEED PACK M3 x 12 SS Cap Hd (pk10)       |
| U7166 | SPEED PACK M3 x 20 SS Cap Hd (pk10)       |
| U7215 | F/G UJ Spanner - CAT XLS                  |
| U7218 | SPEED PACK M3 x 6 Pan Hd Pozi (pk10)      |
| U7219 | SPEED PACK M3 x 8 Pan Hd Pozi (pk10)      |
| U7228 | SPEED PACK No 4 x 1/4 Pan Hd (pk10)       |
| U7229 | SPEED PACK No 4 x 3/8 Pan Hd (pk10)       |
| U7230 | SPEED PACK No 4 x 1/2 Pan Hd (pk10)       |
| U7231 | SPEED PACK No 4 x 3/4 Pan Hd (pk10)       |
| U7259 | SPEED PACK M3 x 8 Csk Pozi (pk10)         |
| U7562 | SPEED PACK - M3 x10 Csk Pozi (pk10)       |
| U7563 | SPEED PACK - M3x16 Pan Pozi (pk10)        |
| U7564 | SPEED PACK - M3x20 Pan Pozi (pk10)        |
| U7566 | SPEED PACK - No2x3/8 Pan Pozi (pk10)      |
| U7707 | M3 Steel Washers (pk10)                   |
| U8272 | SPEED PACK No 2 x 1/4 Pan Hd (pk10)       |
| U8275 | Plastic Washer Set 1,1.5,2,3,4mm (20 pcs) |
| U8498 | 'O' Ring 4.0x1.5 (pk10)                   |
| U8943 | Stepped M3 Washer (4pcs) - C2W            |
| U8951 | Steering Bearing Spacer (pr) - C2W        |
| U8980 | 'O' Ring 11.0x1.0 (pk10)                  |
| U8982 | SPEED PACK - M3x22 Pan Pozi (pk10)        |





Layshaft - C2W

Slipper Spacer - C2W

Slipper Drive Hub - C2W Slipper Thrust Plate - C2W Slipper Pad PTFE - C2W

Roller Driveshaft (pr) - C2W

Bearing Housing (pr) - C2W

95T Slipper Spur Gear - C2W

U8957

U8958

U8959

U8960 U8961 U8972

U8978

U8984

| U729  | Chrome Steel Balls 3mm pk36-F28 T,XLS,TC,CC,PC |
|-------|--|
| U3704 | Thrust Bearing F3x8G SiNi Balls                |
| U4809 | Ball Bearing - 1/4x3/8x1/8 Shield - (pr)       |
| U4943 | Ball Bearing - 1/8 x1/4 Shield - (pr)          |
| U7155 | Bearing 8 x 16 x 5 Black Seal (pr)             |







racing-cars.com



#### **SPARES LISTS**

| •   |      | -   |
|-----|------|-----|
| Sus | pens | ion |
|     | P    |     |

| -u-p  |  |  |
|-------|--|--|
| U776  | Top Bkt; Yokes;C.Tr. Rod - 2WD                     |  |
| U1129 | Rear Pivot Blocks 1/8                              |  |
| U3067 | Yoke C Hub pr - Rascal,Riot,CC                     |  |
| U3103 | Pivot Pin; grooved 23mm 1/8 pr - Rascal,Riot,TC,CC |  |
| U3495 | Ball Studs; Ultra Short - pk 4                     |  |
| U3496 | Ball Studs; Short - pk 4                           |  |
| U3497 | Ball Studs; Long - pk 4                            |  |
| U4223 | Turnbuckle Adjuster HTT - 45mm - pr                |  |
| U4298 | Turnbuckle HT - 35mm - pr                          |  |
| U4303 | Ball Socket Long (Black) - pk8                     |  |
| U4850 | Low Ball Stud pk4                                  |  |
| U7567 | Grooved Pins 45mm (pr) - TC,CC,PC                  |  |
| U8279 | Front Hub Carrier - Cougar Classic (pr)            |  |
| U8299 | Ball Raced Steering Set V2 - Cougar Classic        |  |
| U8670 | Front Inboard Pivot Pin (pr) - C2W                 |  |
| U8933 | Front Wishbones (pr) - C2W                         |  |
| U8936 | Rear Wishbones (pr) - C2W                          |  |
| U8964 | Rear Hub Carrier (pr) - C2W                        |  |
| U8965 | Rear Outer Wishbone Pin (pr) - C2W                 |  |
|       |  |  |

#### Shock Absorbers

| Shock Absorbers |   |  |  |
|-----------------|---|--|--|
| U613            | Spring Stop and Spacer Mouldings (pr)         |  |  |
| U835            | Vari Shock Seal Pack (pr)                     |  |  |
| U1202           | Piston Rod - Long Shock (pr)                  |  |  |
| U1233           | Piston Rod - Med Shock (pr)                   |  |  |
| U1310           | Shock Mouldings-Vari Click Piston (pr)        |  |  |
| U7261           | Shock Mouldings pr - XLS,TC,CC,PC             |  |  |
| U7432           | 32 Shock Spring Seat Moulded pr - L1,TC,CC,PC |  |  |
| U8948           | Front Shock (pr) - C2W                        |  |  |
| U8966           | Front Shock Body (pr) - C2W                   |  |  |
| U8967           | Rear Shock Body (pr) - C2W                    |  |  |
| U8968           | Piston Set - C2W                              |  |  |
| U8976           | Rear Shock (pr) - C2W                         |  |  |
| U8328           | Vintage Springs Short Set (7pr)               |  |  |
| U8329           | Vintage Springs Med Grey 2.7lb/in (pr)        |  |  |
| U8330           | Vintage Springs Med Blue 3.0lb/in (pr)        |  |  |
| U8331           | Vintage Springs Med Black 3.3lb/in (pr)       |  |  |
| U8332           | Vintage Springs Med Set (6pr)                 |  |  |
| U8362           | Vintage Springs Med Green 3.6lb/in (pr)       |  |  |
| U8363           | Vintage Springs Med Orange 4.4lb/in (pr)      |  |  |
| U8364           | Vintage Springs Short Green 5.2lb/in (pr)     |  |  |
| U8365           | Vintage Springs Short Purple 6.9lb/in (pr)    |  |  |
| U8366           | Vintage Springs Short Orange 8.0lb/in (pr)    |  |  |
| U8367           | Vintage Springs Short Grey 3.5lb/in (pr)      |  |  |
| U8368           | Vintage Springs Short Blue 4.0lb/in (pr)      |  |  |
| U8369           | Vintage Springs Short Black 4.5lb/in (pr)     |  |  |
|                 |   |  |  |

#### **Pinions**

| PIIIIOI | 15                            |
|---------|-------------------------------|
| U2309   | 20T Steel Pinion - 48 D.P.    |
| U2310   | 21T Steel Pinion - 48 D.P.    |
| U2311   | 22T Steel Pinion - 48 D.P.    |
| U2312   | 23T Steel Pinion - 48 D.P.    |
| U2313   | 24T Steel Pinion - 48 D.P.    |
| U2314   | 25T Steel Pinion - 48 D.P.    |
| U2315   | 26T Steel Pinion - 48 D.P.    |
| U2316   | 27T Steel Pinion - 48 D.P.    |
| U2317   | 28T Steel Pinion - 48 D.P.    |
| U2318   | 29T Steel Pinion - 48 D.P.    |
| U2319   | 30T Steel Pinion - 48 D.P.    |
| U3417   | Pinion; Hard Alloy 48dp - 17T |
| U3418   | Pinion; Hard Alloy 48dp - 18T |
| U3419   | Pinion; Hard Alloy 48dp - 19T |
| U3420   | Pinion; Hard Alloy 48dp - 20T |
| U3421   | Pinion; Hard Alloy 48dp - 21T |
| U3422   | Pinion; Hard Alloy 48dp - 22T |
| U3423   | Pinion; Hard Alloy 48dp - 23T |
| U3424   | Pinion; Hard Alloy 48dp - 24T |
| U3425   | Pinion; Hard Alloy 48dp - 25T |
| U3426   | Pinion; Hard Alloy 48dp - 26T |

#### **Pinions Cont.**

| 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 |  |  |
| U3433 | Pinion; Hard Alloy 48dp - 33T |  |  |
| U3434 | Pinion; Hard Alloy 48dp - 34T |  |  |
| U3796 | 32T Steel Pinion - 48 D.P.    |  |  |
| U3797 | 33T Steel Pinion - 48 D.P.    |  |  |
| U3798 | 34T Steel Pinion - 48 D.P.    |  |  |
| U3800 | 31T Steel Pinion - 48 D.P.    |  |  |
|       |                               |  |  |

### Wheels

| U8970 | AeroDisc Front Wheel (pr) - C2W            |
|-------|--|
| U8971 | AeroDisc Rear Wheel (pr) - C2W             |
| CR684 | JC Spoke 2.2 Front Wheel - TOP CAT,PC - pr |
| CR681 | JC 5 Spoke 2.2 Rear White Wheel XLS,PC pr  |
| CR685 | JC Dish 2.2 Front Wheel TOP CAT - pr       |
| CR683 | JC Dish 2.2 Rear White Wheel XLS PC, pr    |

#### **Option Parts**

| Optio. |  |
|--------|--|
| CR290  | CORE RC 1/12 Servo Saver 23T Sanwa/KO              |
| CR291  | CORE RC 1/12 Servo Saver 25T Futaba                |
| U1818  | Purple Alloy Shock Seal Housing (pr)               |
| U2365  | Purple Alloy Pivot Blocks 1/8                      |
| U3850  | Wing Mount Set - Off Road                          |
| U7281  | Tungsten Carbide Balls 3mm (pk12)                  |
| U7317  | Titanium Turnbuckle - 45mm - Silver - pr           |
| U7419  | Titanium M4 x 20 Grub Screw (pr)                   |
| U7424  | Alloy Lightweight LiPo Nut - (pr)                  |
| U7952  | Wing Mount Mouldings - LD2/3,L1 EVO/R              |
| U7984  | Alloy LiPo Posts Short pr KC,KD,LD/2,L1/EVO,CC     |
| U7985  | Alloy LiPo Post Spacer-(4) KC,KD,LD/2,L1/EVO,ST,CC |
| U8703  | Pro Slipper Conversion - C2W                       |
| U8798  | Ball Bearing 1.5x4x2 Shield - pr                   |
| U8817  | Twin Bearing Front Hub Carrier Set (pr) - C2W      |
| U8818  | Front Anti Roll Bar Kit - C2W                      |
| U8819  | Rear Anti Roll Bar Kit - C2W                       |
| U8820  | C/F Front Brace - C2W                              |
| U8821  | C/F Centre Track Rod - C2W                         |
| U8822  | Alloy Bearing Housings (pr) - XLS,TC,CC,PC,C2W     |
| U8906  | Alloy Yokes 0deg (pr) - C2W                        |
| U8973  | Pro Slipper Layshaft - C2W                         |
| U8974  | Alloy Eccentric (pr) - C2W                         |
| U8979  | Front Hub Carrier Mouldings (6pc) - C2W            |
| U8985  | 92T Slipper Spur Gear - C2W                        |
| U8986  | 89T Slipper Spur Gear - C2W                        |
| U8987  | 86T Slipper Spur Gear - C2W                        |
| U9000  | Carpet Protector Front Shock Tower - C2W           |
| U9001  | Carpet Protector Nut (pr) - C2W                    |
|        |  |

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#### **OPTION PARTS**



U7317 Titanium Turnbuckle - 45mm - Silver - pr



U8985 92T Slipper Spur Gear - C2W U8986 89T Slipper Spur Gear - C2W U8987 86T Slipper Spur Gear - C2W



U8973 Pro Slipper Layshaft - C2W



U8703 Pro Slipper Conversion - C2W



(Roller Drive Shaft)

U8974 Alloy Eccentric (pr) - C2W



U7424 Alloy Lightweight LiPo Nut - (pr)





U8817 Twin Bearing Front Hub Carrier Set (pr) - C2W



U9001 Carpet Protector Nut (pr) - C2W



U1818 Purple Alloy Shock Seal Housing (pr)



**U8906** Alloy Yokes Odeg (pr) - C2W



U8822 Alloy Bearing Housings (pr) - XLS,TC,CC,PC,C2W



U8820 C/F Front Brace - C2W



U9000 Carpet Protector Front Shock Tower - C2W



U2365 Purple Alloy Pivot Blocks 1/8



U8821 C/F Centre Track Rod - C2W

| Course T   | Driver:                                    | Date:  | Event/Track:   |   |
|--|--|--|--|---|
|  |  | Final:   | Best Lap:  |   |
| WORKS CASE   | Qualify:                                   |  | Dest Lap.  |   |
| TRACK TYPE   | TYRES                                      |  | Notes:   |   |
| Grip Level High Medium Low                             | Tyres                                      | Front R  | ear  |   |
|  |  | )(   |  |   |
| Type Tight Open Mixed                                  | Inserts                                    |  |  |   |
| Condition Flat Bumpy Mixed                             |  | Je Front ☐ Rear ☐  | ——————————————————————————————————————   |   |
| Surface Clay Long Astro Carpet Grass Short Astro Mixed |  | de Front     Real  |  |   |
| Weather Weather  | ייין ש יייייי                              |  |  |   |
| vveatrier  |  |  |  |   |
| FRONT SUSPENSION                                       | KEY: P = Plastic, A<br>M = Medium. S = Sti | A = Alloy, B = Brass, F/G = Fibre Glass, C<br>ff, Sh = Short, H = High, L = Low, F = Fro   | <b>c/F</b> = Carbon Fibre, <b>S2</b> = Schumacher Compo<br>ont, <b>R</b> = Rear, <b>Y</b> = Yes, <b>N</b> = No | site,   |
| Ride Height  | mm   | .,,  | ,  | 9 8 9 0<br>9 7 0                              |
| Toe deg  |  |  |  | 0   |
| Camber   |  |  |  |   |
|  | deg  |  |  |   |
| Bump Steer Washers (19949)                             | mm   |  |  |   |
|  | s No                                       |  |  |   |
|  | s No                                       |  |  |   |
|  | s 🗌 No 🗍                                   |  | •  | •   |
| Notes:   |  | _  | -A-C   | 2 0   |
|  |  |  |  |   |
|  |  |  | 8 9 0  | 0   |
|  |  | mA   | C C  |   |
|  |  |  |  |   |
| REAR SUSPENSION  |  | = Alloy, <b>B</b> = Brass, <b>F/G</b> = Fibre Glass, <b>C/I</b><br><b>Sh</b> = Short, <b>H</b> = High, <b>L</b> = Low, <b>F</b> = Fron | F = Carbon Fibre, <b>S2</b> = Schumacher Composi<br>t. <b>R</b> = Rear. <b>Y</b> = Yes. <b>N</b> = No          | te,   |
| Ride Height  | mm   |  | , 12 1100, 1 100, 11 110   | 20  |
| Camber   | deg  |  |  | (343) T                                       |
| Anti-squat   | mm   |  |  |   |
|  | s No                                       |  |  | **************************************        |
| Shock Tower Position Low Mediu                         |  |  |  |   |
|  |  |  |  |   |
| Notes:   | s No D                                     |  |  |   |
| Notes.   |  |  |  | 82 <b>0</b><br>66 <b>0</b><br><b>0</b>        |
|  |  |  |  |   |
|  |  |  |  |   |
|  |  |  |  |   |
|  |  |  | 9 0  | - 1   |
|  |  | Rear Toe mm  |  |   |
|  |  |  |  |   |
| TRANSMISSION   | ASSIS                                      | EQUIPMENT  | SHOCKS   | <b>KEY: i</b> = Internal, <b>e</b> = External |
| Motor Running  | Weight g                                   | E.S.C.   | FRONT  | REAR  |
| Rotor Dia. mm Battery P                                |  | Servo  | Oil cS   | t cSt   |
| Fwd F  |  | RX   | Piston Holes Open (F) 1  | 2 3 4   |
| Timing deg  Pinion t  Wing Mo                          | unt Type                                   |  | Piston Holes Open (R) 1  | 2 3 4   |
| Pinion t   |  | LiPo   | Spring   Ib/ii   | n lb/in                                       |
| Spur t Notes:  |  | Bodyshell  | Limiters (i) mr  | m mm  |
| Upgraded Slipper                                       |  | WEIGHTS  | Stroke mr  | m mm  |
| Notes:   |  |  | Limiters (e) mr  | m mm  |
| notes.   |  | Under LiPo Y N   | Notes:   |   |
|  |  | Notes:   |  |   |
|  |  |  |  |   |
|  |  |  |  |   |
|  |  |  |  |   |

| GOUGHA THE WORKS CASE  | Driver: Kit Setup Date: Qualify: Final:                         | Event/Track: Best Lap:   |
|--|---|--|
| TRACK TYPE  Grip Level High Medium Low  Type Tight Open Mixed  Condition Flat Bumpy Mixed  Surface Clay Long Astro Carpet  Grass Short Astro Mixed  Weather            | Tyres Stud Two Row Front Minis Wheels U8970 Front Wheel U8971 I | ear spike - 2 Rear Wheel coam Insert   |
| FRONT SUSPENSION  Ride Height  Toe 1 deg In  Camber  Bump Steer Washers  Anti Roll Bar (U8818) Yes  Twin Bearing Kit (U8817) Yes  Carbon Track Rod (U8821) Yes  Notes: | 1 deg  Omm  No iii  |  |
| REAR SUSPENSION  Ride Height  Camber  Anti-squat  Anti Roll Bar (U8819) Yes  Shock Tower Position Low Medium   |   |  |
| TRANSMISSION  Motor  Rotor Dia. mm Timing deg Pinion t Spur 95 t Upgraded Slipper Y Notes:  Notes:   | Servo RX  | SHOCKS         KEY: i = Internal, e = External           FRONT         REAR           Oil         550 cSt         400 cSt           Piston Holes Open (F)         1         2         3         4           Piston Holes Open (R)         1         2         3         4           Spring         Grey Ib/in         Blue Ib/in           Limiters (i)         0 mm         0 mm           Stroke         24 mm         30 mm           Limiters (e)         0 mm         0 mm           Notes:         0 mm         0 mm |