

**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











Radio Equipment Motor and Pinion Gear











Steering Servo

**Electronic Speed Controller** 

Pro Tyre Glue

Polycarbonate Paint Tyres and Inserts

## **TOOLS REQUIRED**

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

### **ICON KEYS**



CORE RC High Performance Lithium Grease10ml - CR752



CORE RC Medium Thread Lock 3ml - CR520



CORE RC 522 Pro Tyre Glue 20g + 2 Nozzles - CR522



Caution/Important note. Please read.



Left-Hand Side of car



Right-Hand Side of car



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



Set up Sheet - Refer to page 40.



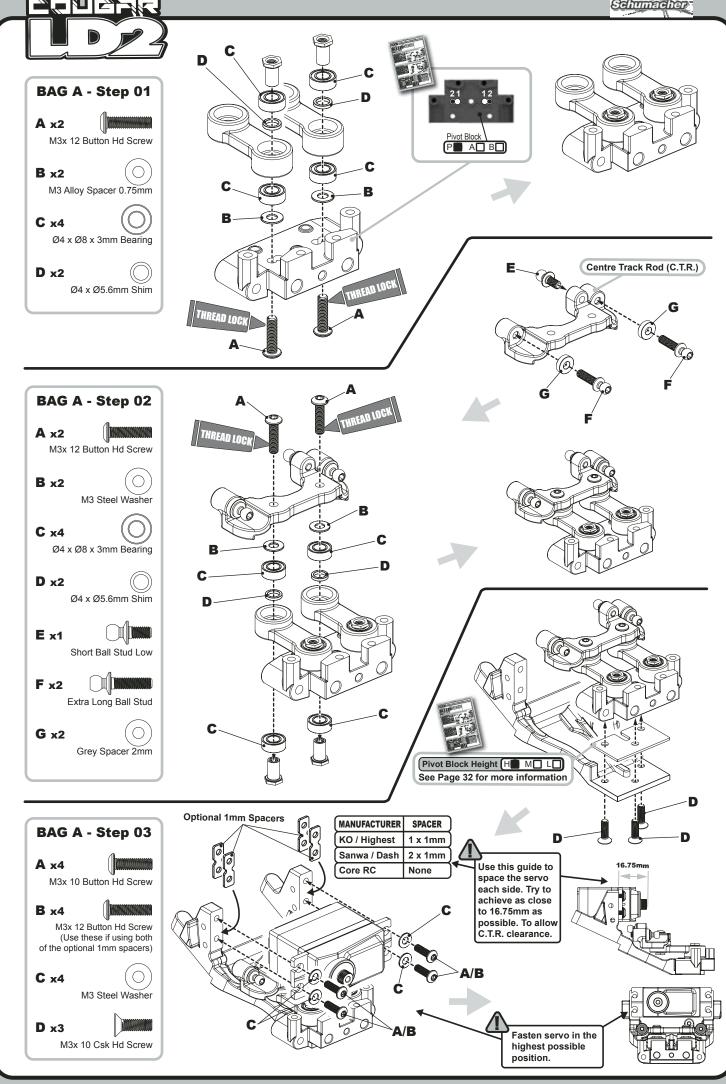
www.racing-cars.com

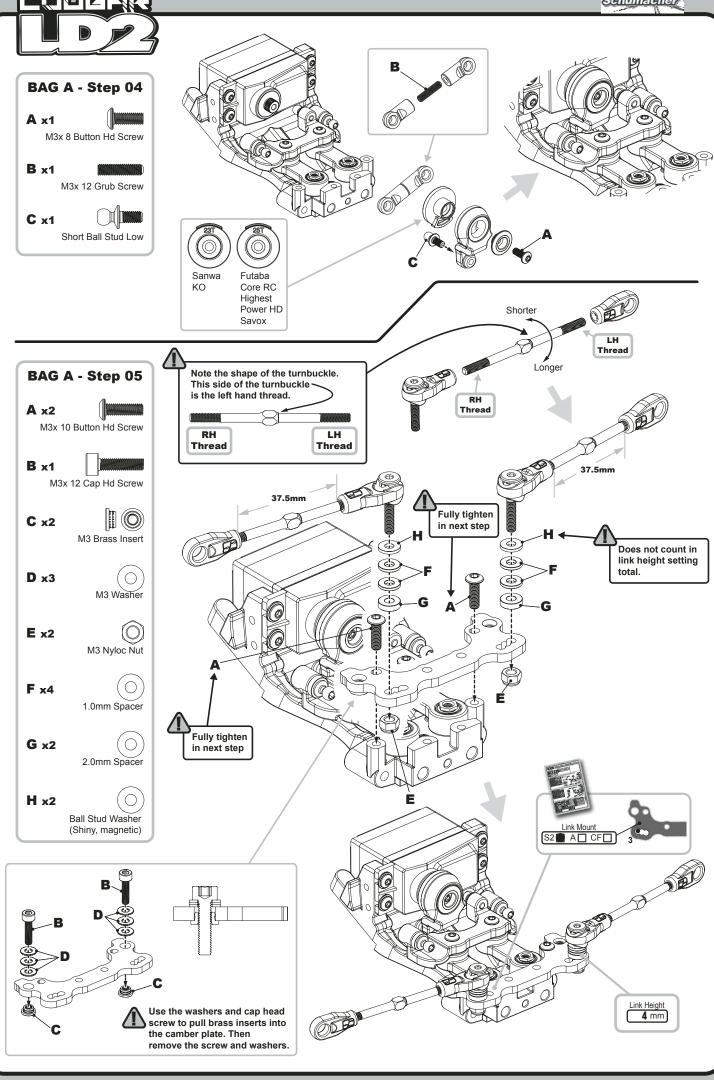


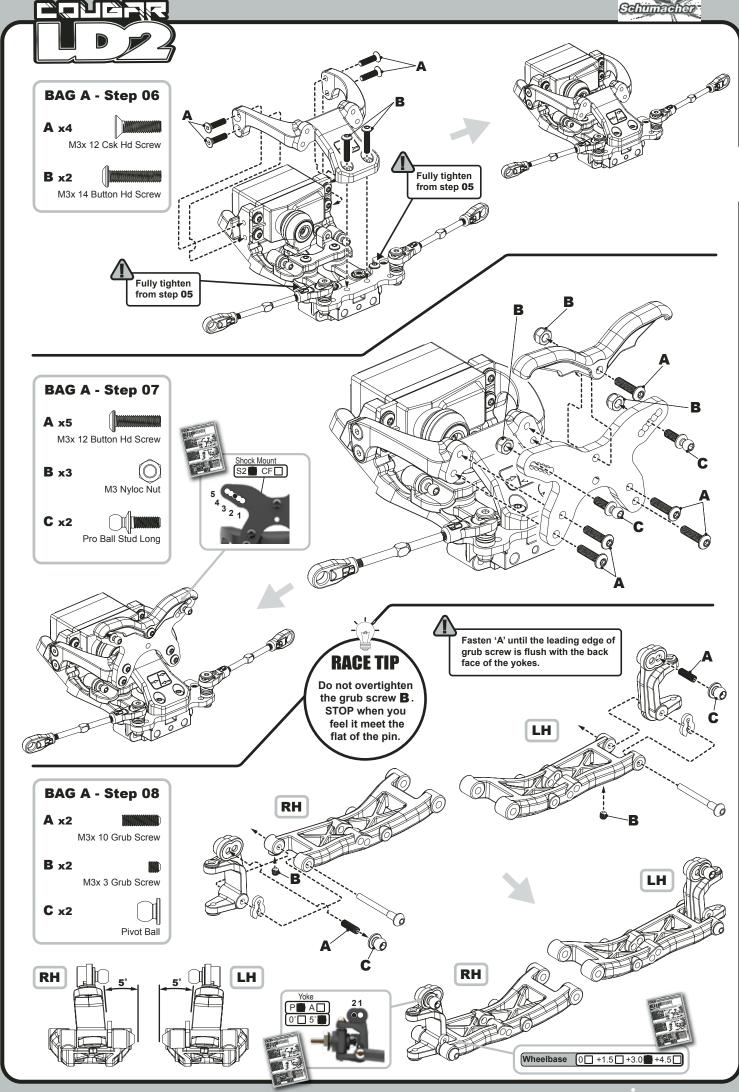


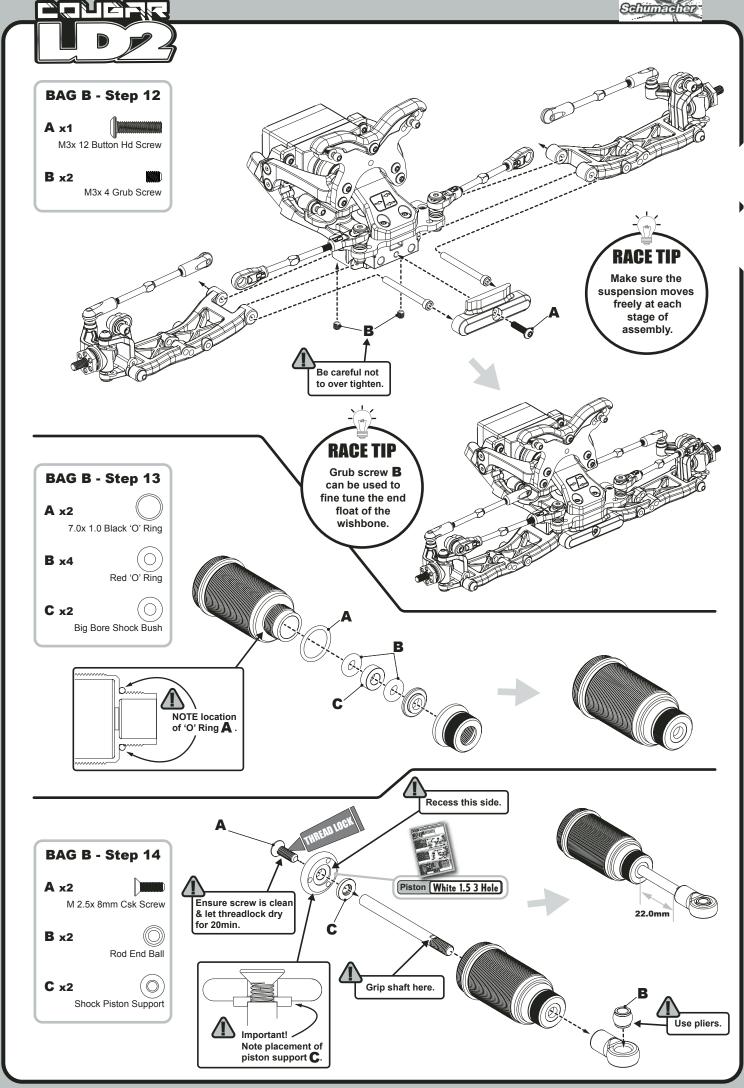


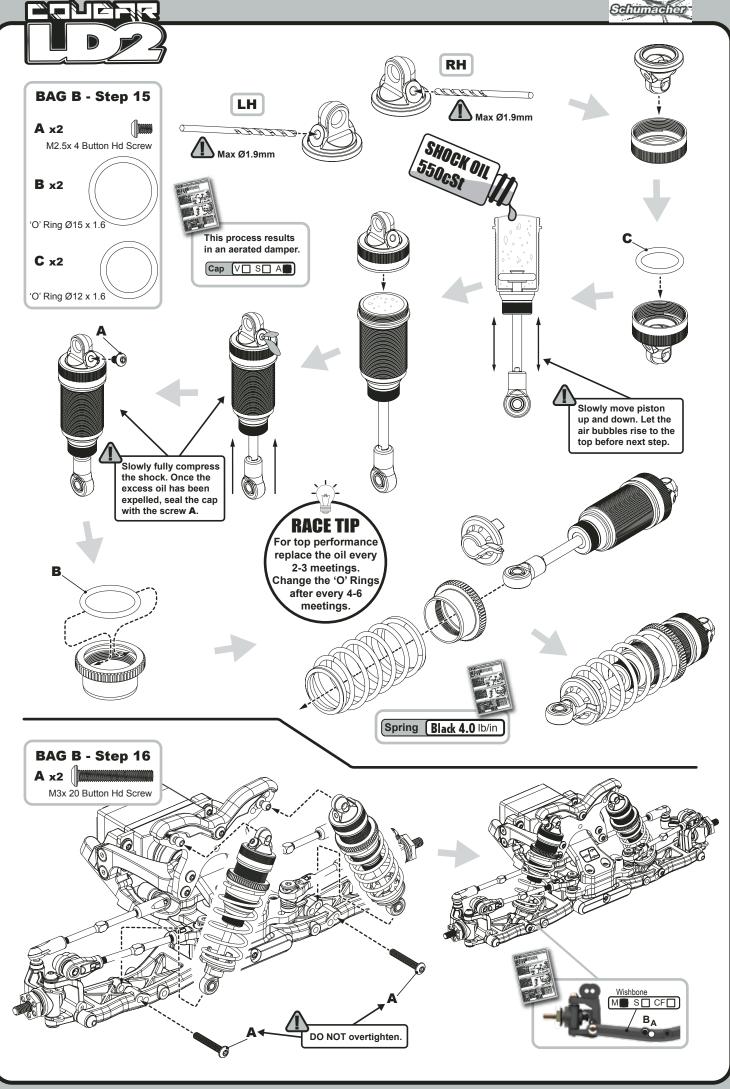


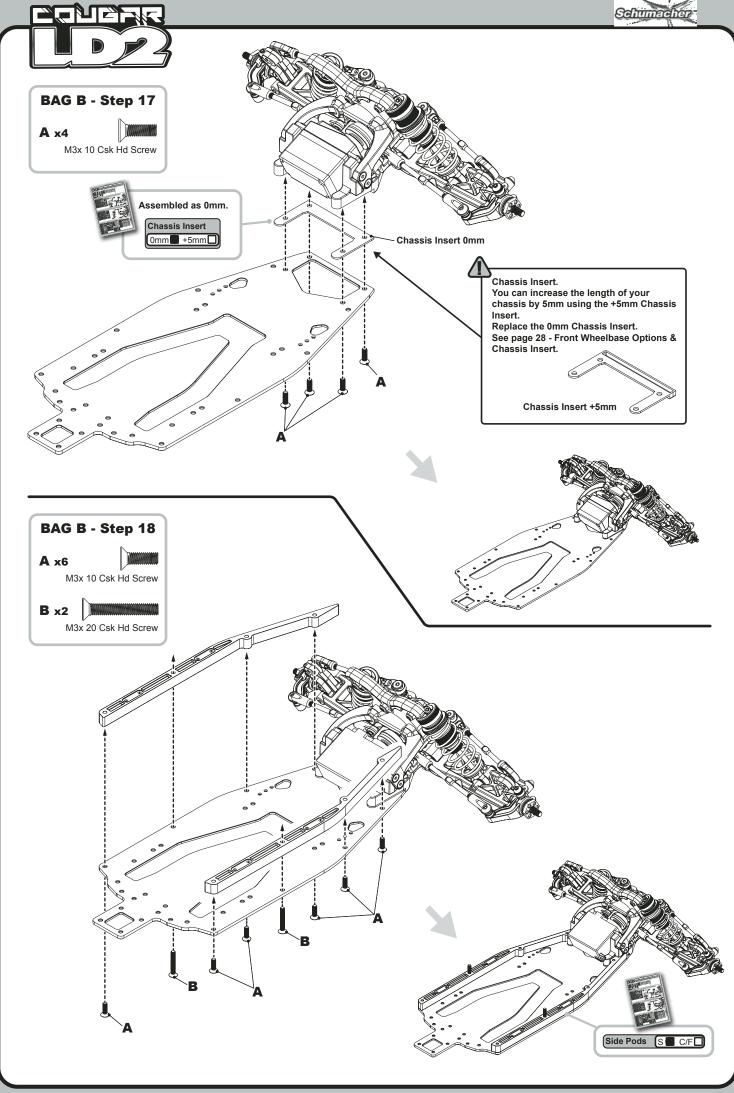


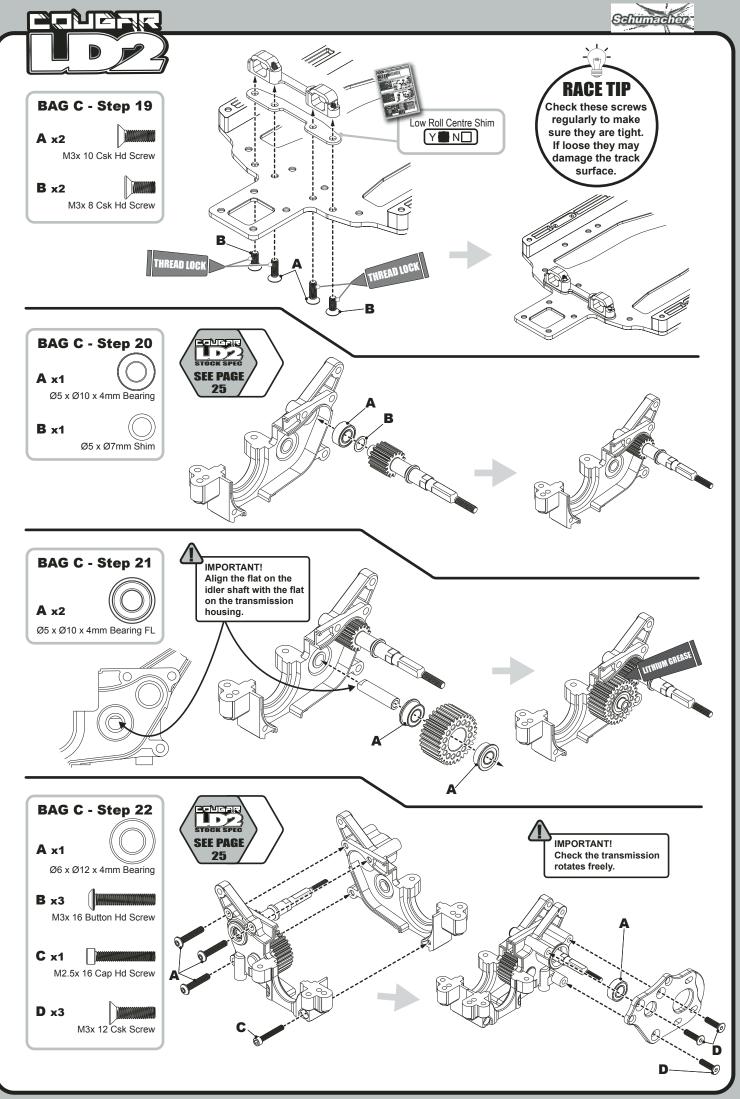






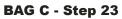








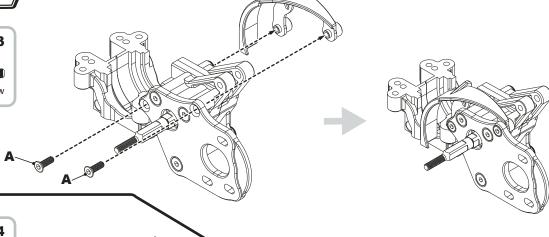




**A** x2



M2.5x 8 Csk Hd Screw



## BAG C - Step 24

A x2



M3x 8 Csk Hd Screw

**B** x2

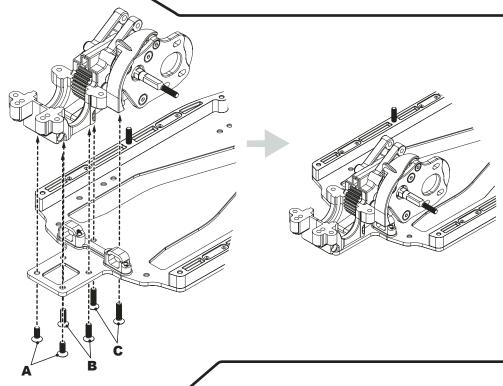


M3x 10 Csk Hd Screw

C x2



M3x 12 Csk Hd Screw

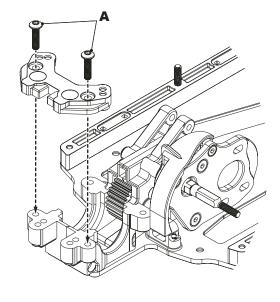


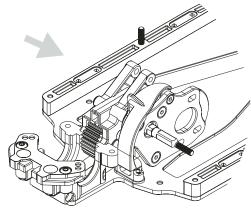
## BAG C - Step 25

**A** x2



M3x 12 Button Hd Screw







#### BAG C - Step 26

**A** x3

Ø5 x Ø7 x 0.1mm Shim

**B** x2

Ø4 x Ø13 x 0.1mm Shim

**C** x1

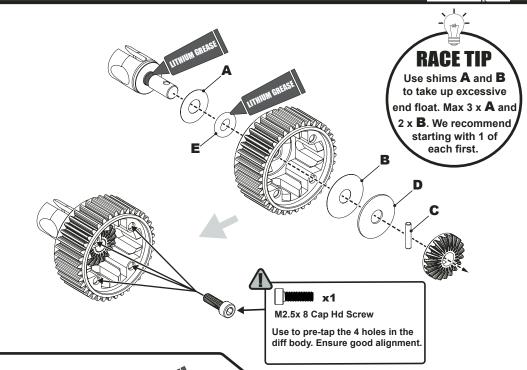
Ø1.5 x 7.8 Pin

**D** x1

Ø4 x Ø13 x 0.5mm Shim

**E** x1

'O' Ring Ø3.69 x 1.8



#### BAG C - Step 27

**A** x3

Ø5 x Ø7 x 0.1mm Shim

**B** x2

Ø4 x Ø13 x 0.1mm Shim

C<sub>x1</sub>

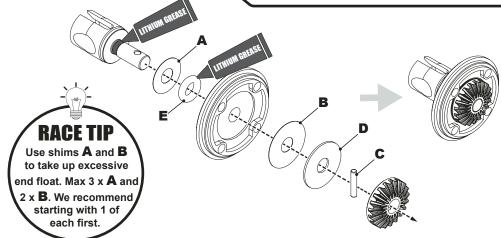
Ø1.5 x 7.8 Pin

**D** x1

Ø4 x Ø13 x 0.5mm Shim

**E** x1

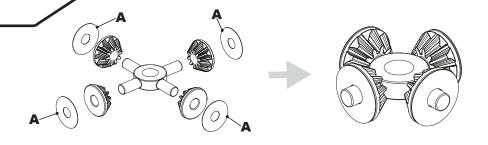
'O' Ring Ø3.69 x 1.8



#### BAG D - Step 28a

**A** x4

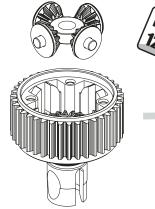
Ø2 x Ø9 x 0.1mm Shim



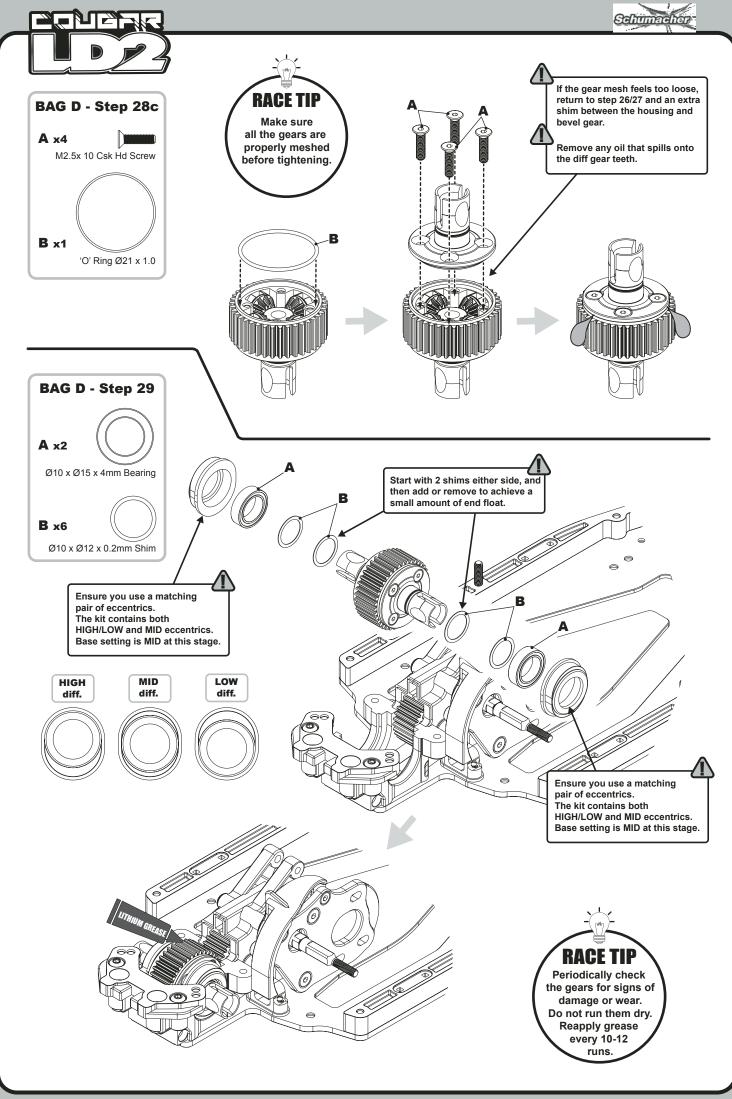
#### BAG D - Step 28b

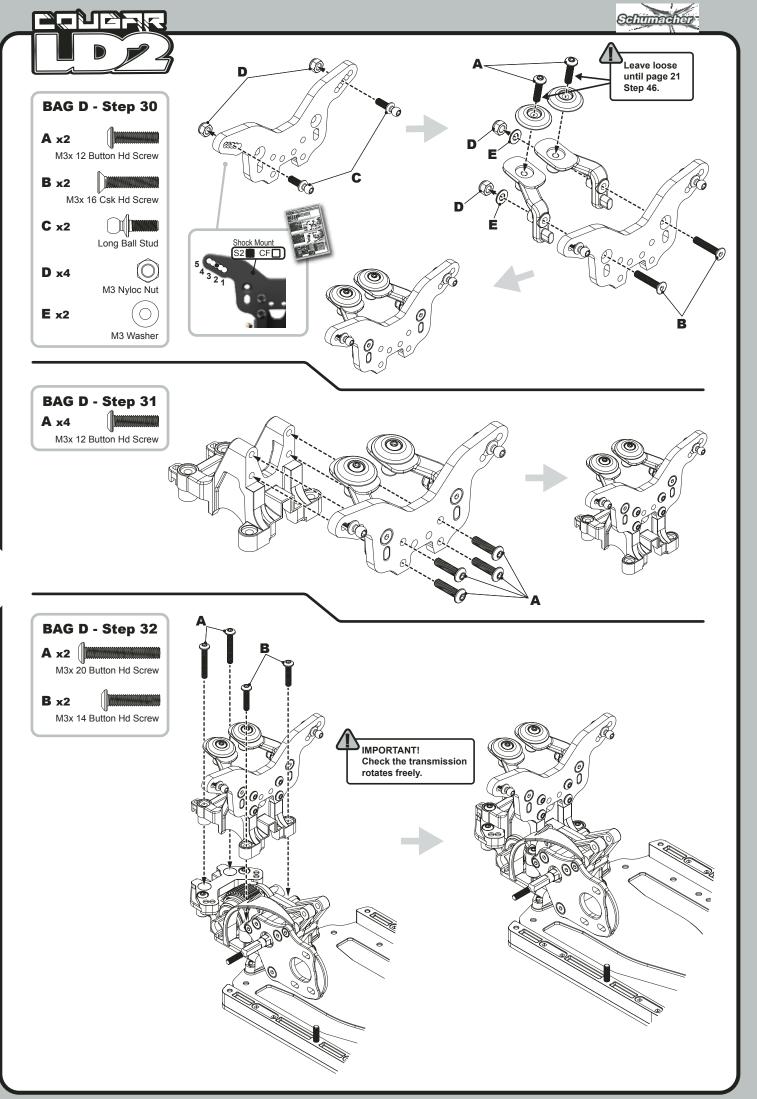
# RACE TIP

Put a little oil in the diff housing before you place the gears in.
Always make sure all the bubbles in the oil come out.

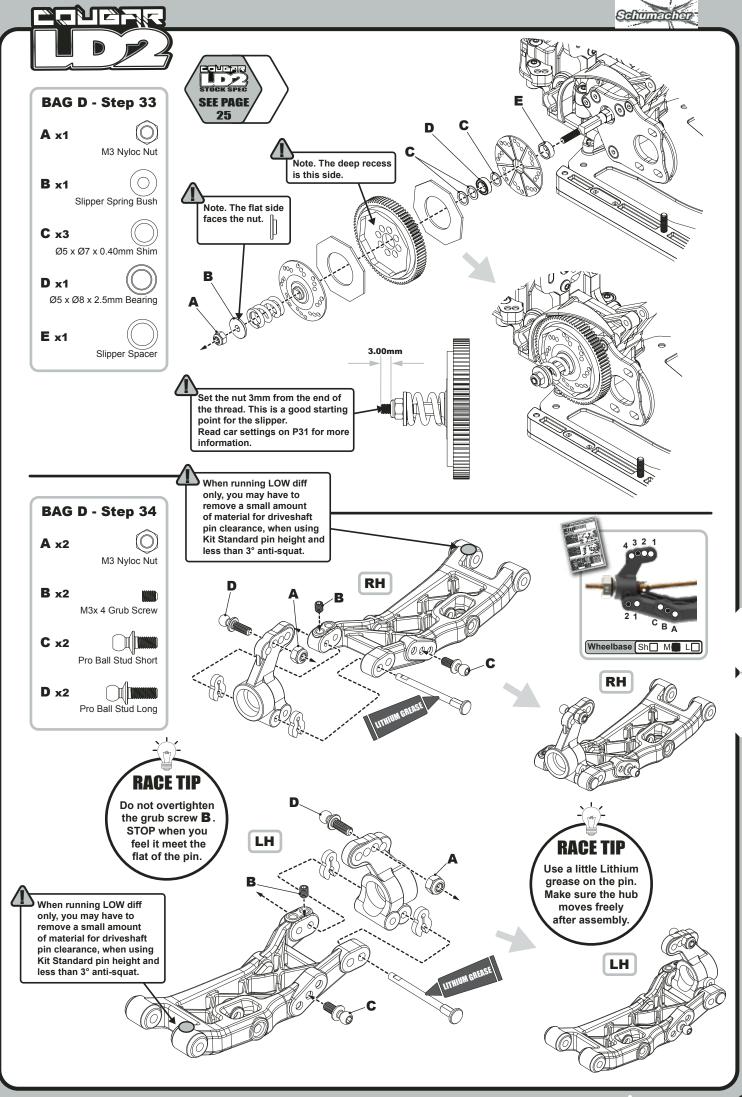




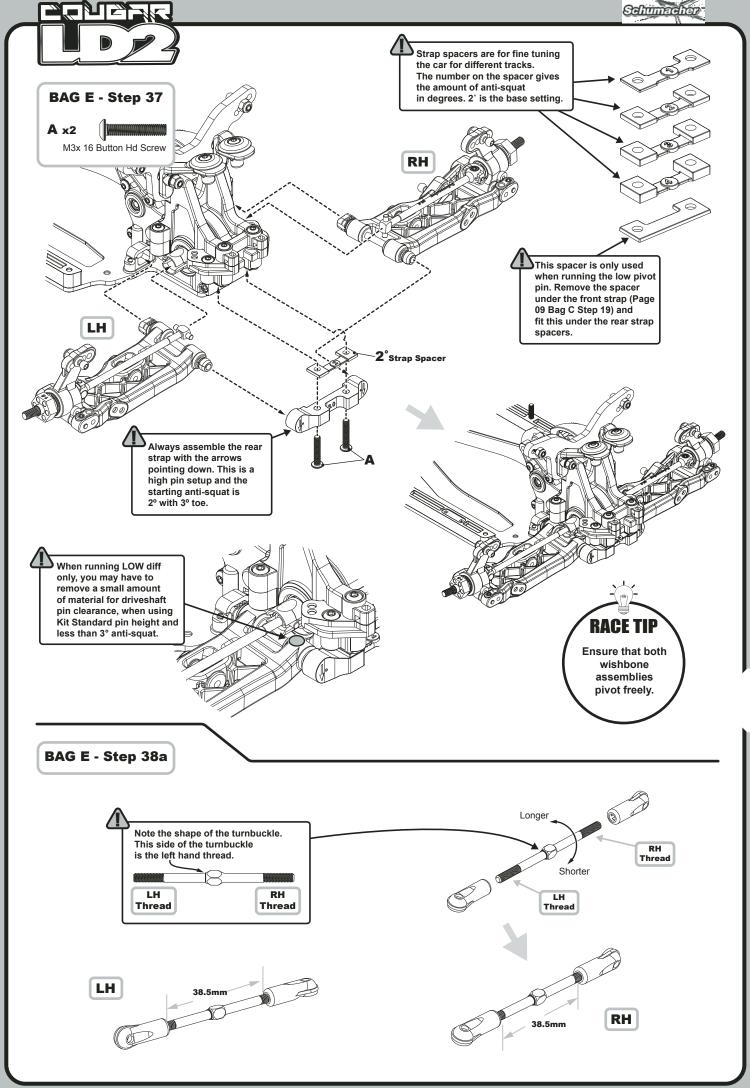


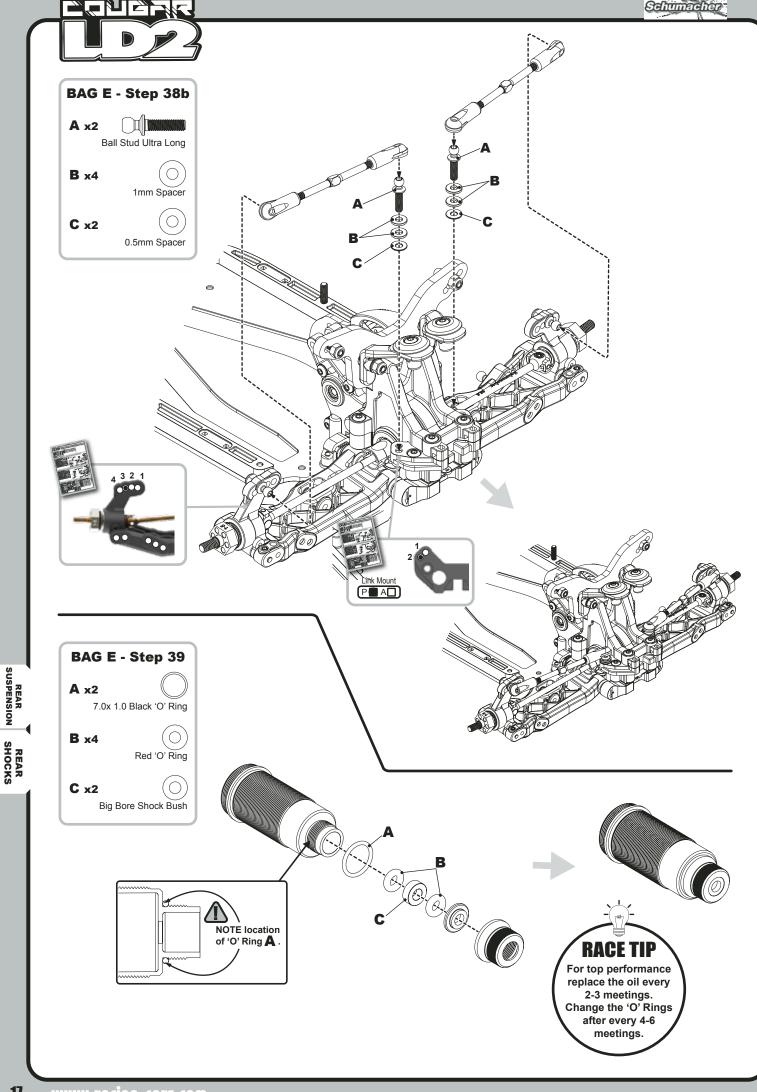




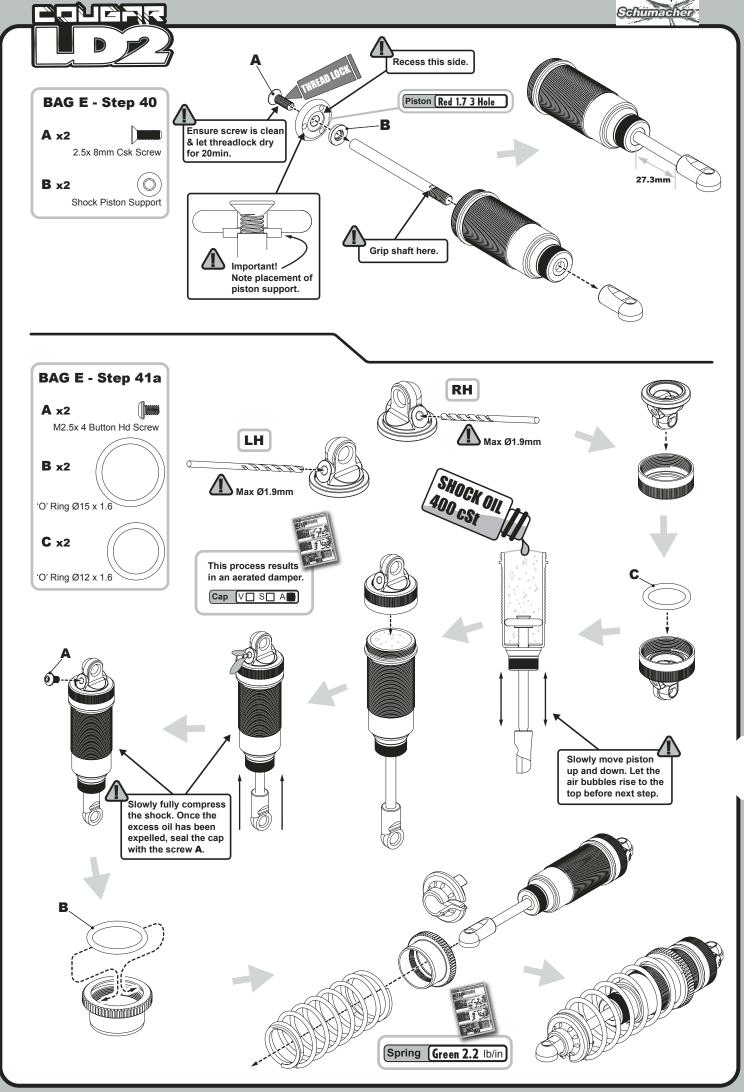


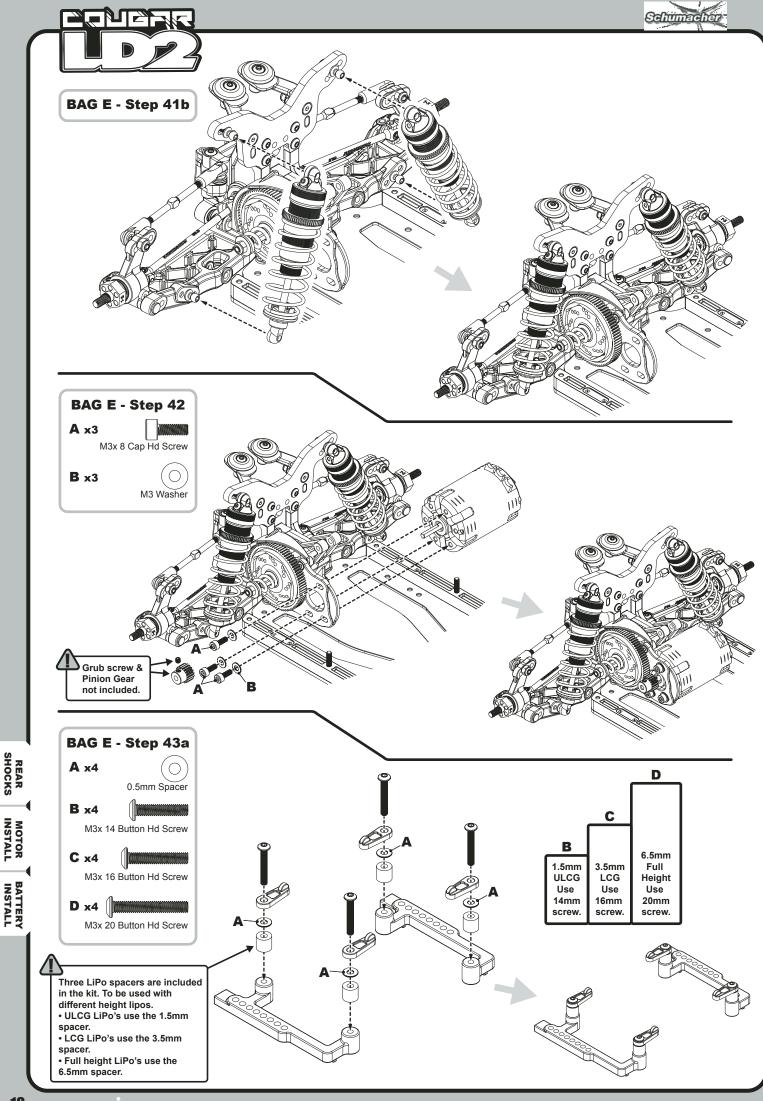






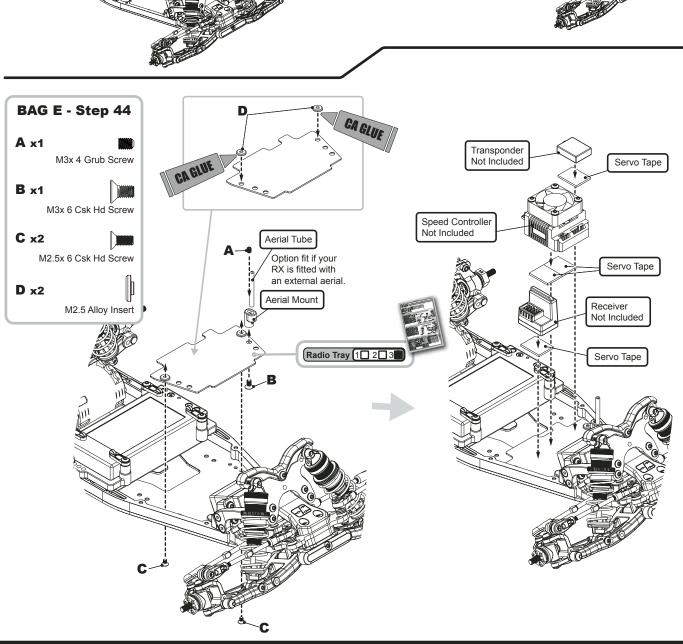






LiPo Position

1 2 3 4 5 6 7 8



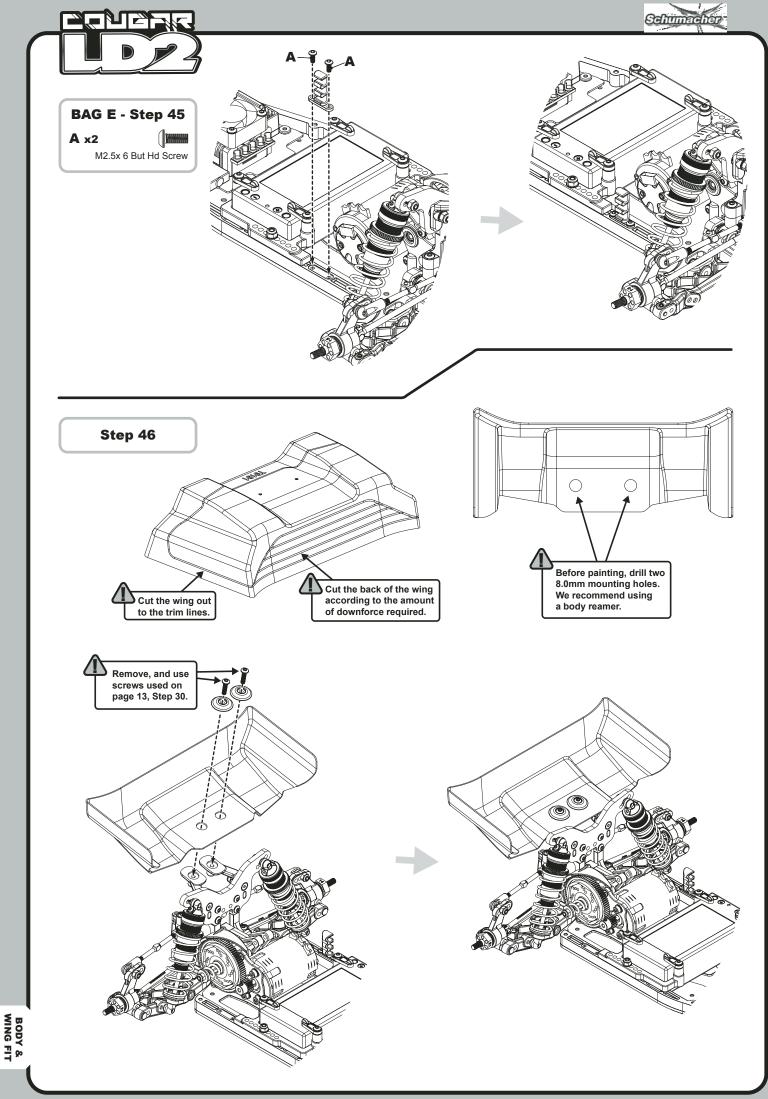
BAG E - Step 43b

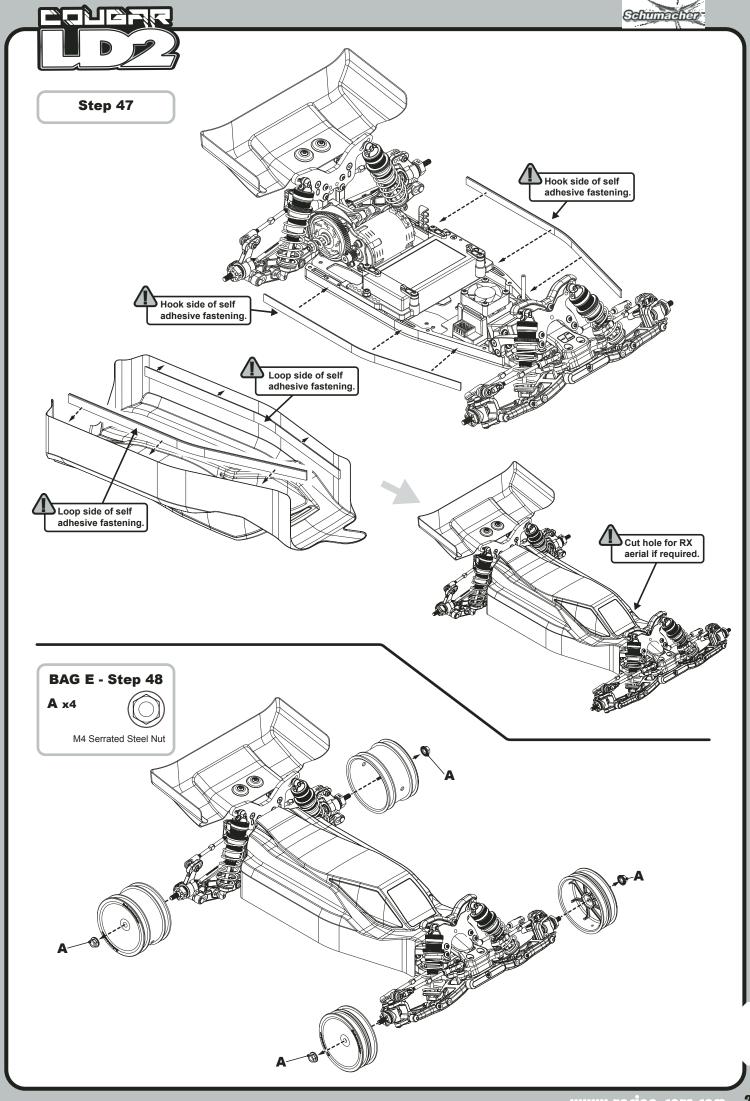
M3 Nyloc Nut

M3 Washer

**A** x2

**B** x2





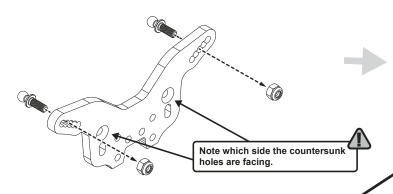


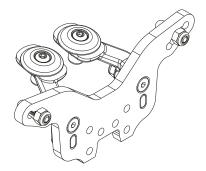


#### **REAR SHOCKS, OPTION POSITION - Build Instructions**

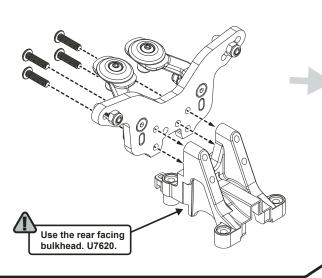
## **OPTION - Step 30**

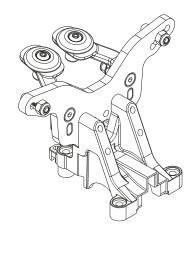
Reverse the long ball stud on the shock mount.



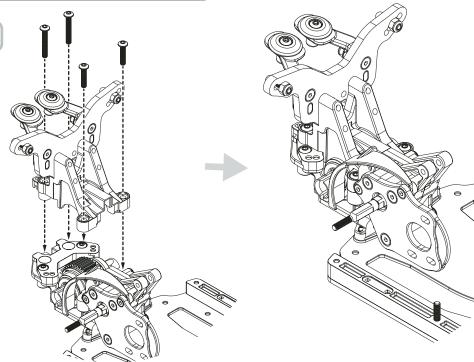


## **OPTION - Step 31**



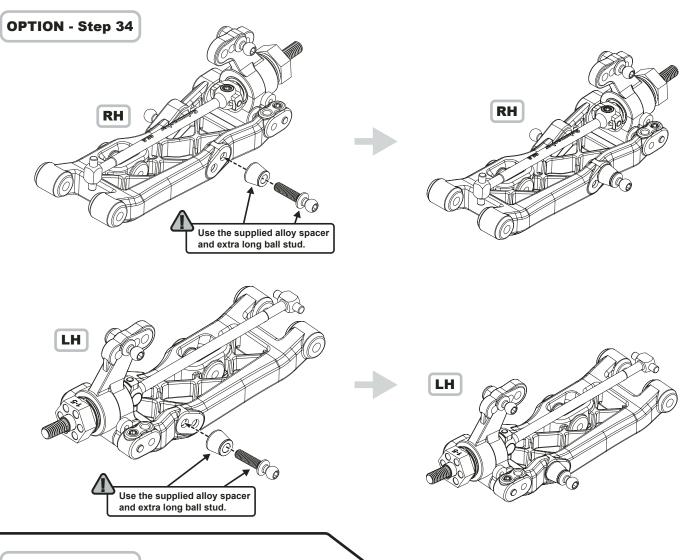


## OPTION - Step 32

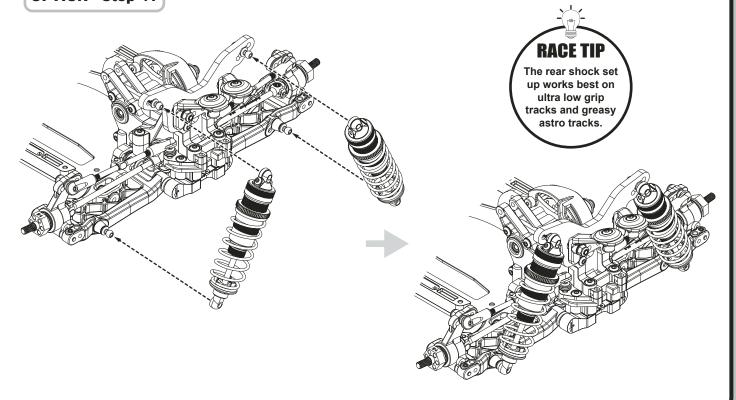


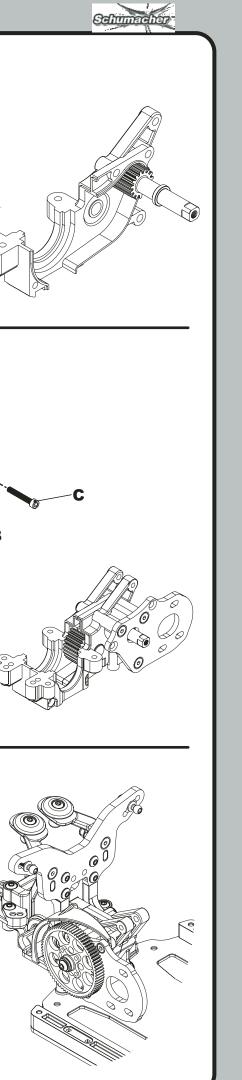


#### **REAR SHOCKS, OPTION POSITION - Build Instructions**



## **OPTION - Step 41**

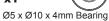






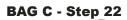
#### BAG C - Step 20

**A** x1



**B** x1

Ø5 x Ø7mm Shim



**A** x1

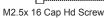
Ø6 x Ø12 x 4mm Bearing

**B** x3



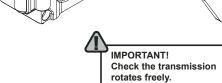
M3x 16 Button Hd Screw

C x1



**D** x3





#### BAG D - Step 33

**A** x1



M3x 8 Ti Round Hd Screw

**B** x1

1mm Spacer

C x1

0.5mm Spacer







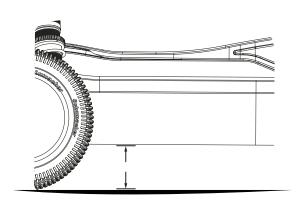
# TRACK SETTINGS

#### **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 19mm on astro, 23mm on dirt and 14-16mm 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.

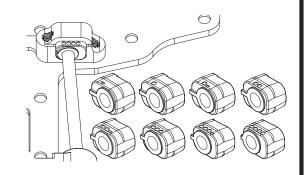


#### **REAR TOE INSERTS**

The base setting for rear toe in is  $3^{\circ}$ , 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 changing the toe in inserts. 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

The eight blocks have indicators on top of them to show the amount of toe-in each one has. The range is  $0.5^{\circ}$  to  $4.0^{\circ}$ .

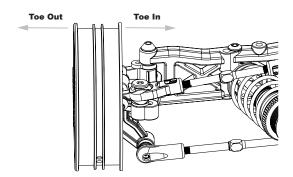


See Page 15 Bag D - Step 36

See Page 05 Bag B - Step 11

#### **FRONT TOE**

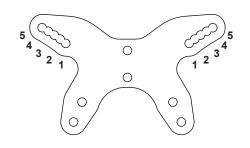
Front toe should be set to 0° (both front wheels pointing straight ahead) this will be the best setting for most track conditions. Adding toe out will increase initial turn in and make it smoother to drive on power. The team generally run 1° toe out on Astro tracks.



#### 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 will however stiffen the suspension which may require an oil and spring change so that the cars suspension feels the same. 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.

See Page 04 Bag A - Step 07

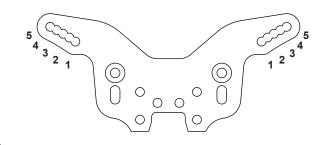


# Schumacher .

#### **REAR SHOCK MOUNT**

See Page 13 Bag D - Step 30

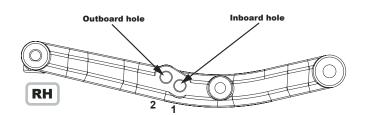
The middle hole on the shock mount (3) gives best all round results. Moving the shock to the outer hole will stiffen the suspension and increase the reaction of the steering. The downside is less compliance over bumpy sections of the track. Moving the shock to the inboard position softens the suspension 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 front of the transmission as standard, moving the mount to the rear of the transmission makes the car less reactive but more stable.



#### FRONT WISHBONE SHOCK MOUNTING HOLE

See Page 07 Bag B - Step 16

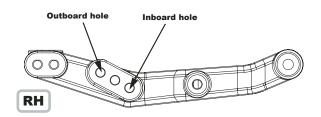
The outboard hole (2) on the wishbone is the standard setting for most tracks. Moving the shock to the inner hole makes the car more reactive. It increases the initial turn in and makes the front of the car roll more through the turns. This setting also makes the front end softer.



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

See Page 14 Bag D - Step 34

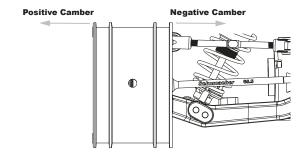
The middle hole works best for most track conditions giving good traction and drive through the turns whilst maintaining good stability over the bumps. Moving to the outer hole on the wishbone will decrease traction but will allow the rear to free up more in the turns. This setting would usually only 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 springs and thicker oil. This should help improve the handling.



#### **REAR CAMBER**

See Page 16 Bag E - Step 38a

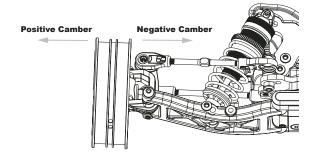
The usual team setting for static rear camber is 1° negative at ride height (the top of the tyre leaning inwards towards the car). Increasing the static rear camber will increase the traction when exiting the turns, but will be less stable at high speed. Decreasing the camber will reduce stability and traction in the turns but will be more stable at high speed.



#### **FRONT CAMBER**

See Page 03 Bag A - Step 05

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.



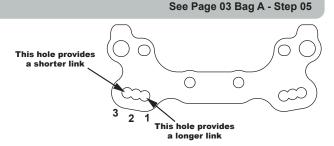




#### FRONT CAMBER LINKS

The kit settings for the front camber link position (3) and length are used by the team for most tracks. A shorter front link will make the car roll less and speed up the cars initial steering response. This is a better choice for bumpy, low grip tracks.

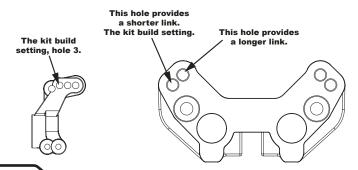
A longer front link makes the front of the car roll more and offers less steering reaction at high speed. We would recommend this on fairly smooth high grip tracks. Lowering the ball height will offer more grip to the front, but can make the car feel more edgy.



#### **REAR CAMBER LINK**

See Page 17 Bag E - Step 38b

The kit setting for the rear camber link is the best compromise for most tracks. The outboard link option on the camber plate 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 understeer 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 generate more grip, but reduce steering.



#### FRONT WHEELBASE OPTIONS & CHASSIS INSERT

See Page 08 Bag B - Step 17

See Page 04 Bag A - Step 08

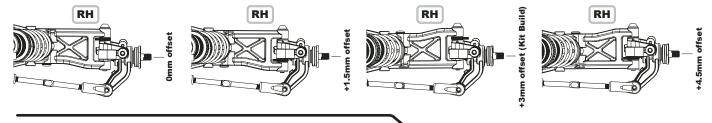
There are three ways of adjusting wheelbase.

- 1. The adjustment is provided by re positioning the quick clip on the outer wishbone pin.
- 2. The 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 1.5mm 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.

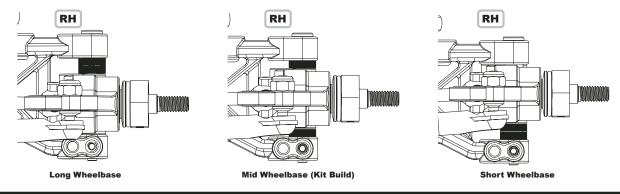
3. By using the chassis insert, the chassis length can be increased by +5mm. This calms down the LD2 on twitchy or low grip tracks.



#### **REAR WHEELBASE OPTIONS**

See Page 14 Bag D - Step 34

The Cougar LD2 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. Generally you will run long wheelbase on carpet, mid on astro and short on dirt.



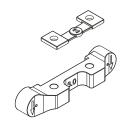
TRACK SETTINGS

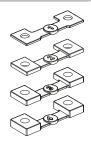


#### **REAR ANTI SQUAT SPACERS**

See Page 16 Bag E - Step 37

The Kit build anti squat is set at 2°. This works best on most tracks, and with the included parts can be increased or decreased. Generally less anti squat allows the suspension to work better over the large bumps and gives more power on steering. Reducing the anti squat makes the car handle better over small ripples, but not so good on the tracks with large bumps.

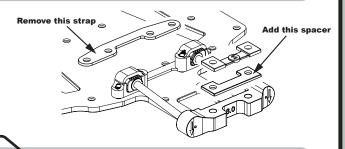




#### **LOW ROLL CENTRE**

See Page 09 Bag C - Step 19

Lowering the kit pin height to pin low will give the rear more roll. This gives more side grip to the rear and more on power steering. If you are lifting a rear wheel going into corners then lower the pin or lay the rear shock over.

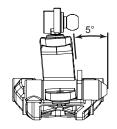


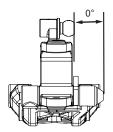
#### **FRONT YOKE**

See Page 04 Bag A - Step 08

The LD2 has a rake angle (kick up) of 25°. This should be added 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. The use of less castor will increase initial turn in.





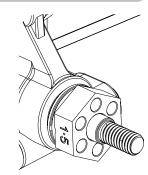
#### **FRONT & REAR HEX WIDTH**

See Page 05 Bag B - Step 10 & Page 15 Bag D - Step 35

The base setting gives the best balance between steering and stability. Using a wider front hex will make the car more aggressive. Using a wider rear hex will help with more forward drive and initial turn in. Narrowing the rear will give more on power steering and increase side traction.

REAR HEX OPTIONS					
<b>Part Number</b>	Hex	Car Width Change			
U7646	-0.75	4.5mm Narrower			
U7398	0.00	3.0mm Narrower			
U7402	0.75	1.5mm Narrower			
U7403	1.50	Kit Build			
U7647	2.25	1.50mm Wider			
U7648	3.00	3.00mm Wider			

FRONT HEX OPTIONS					
<b>Part Number</b>	Hex	Car Width Change			
U7646	-0.75	Kit Build			
U7398	0.00	1.5mm Wider			
U7402	0.75	3 0mm Wider			

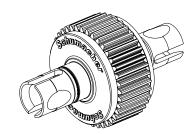


#### **GEAR DIFFERENTIAL**

See Page 11 Bag D - Step 28b

Geared Diffs can give variable 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 7,000 cSt (CR221). Running two gears will give more drive and off power steering. Use 7,000cSt on high grip tracks, if you start spinning a wheel on power, go up on oil until it stops.

We recommend changing the oil more often when running 2 gears.



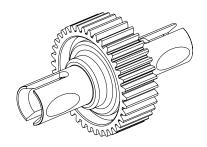




#### **BALL DIFFERENTIAL \*Option**

See Page 12 - Step 29

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. Never allow the diff to run dry and rebuild the diff regularly to maximise it's life. **U7698** - V3 BALL DIFF COMPLETE SV2/SVR/KD/LD/KR



#### **DIFFERENTIAL HEIGHT**

See Page 12 Bag D - Step 29

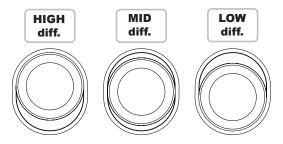
The base setting is Mid diff.

Raising the diff is better for jump landings.

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

Running the diff high on carpet will help remove side grip.

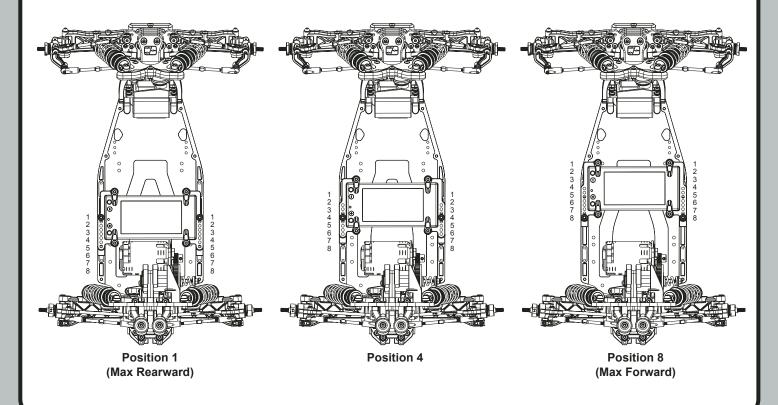
On more open tracks a lower diff will help increase corner speed.



#### **LIPO POSITION**

See Page 20 Bag E - Step 43b

There are 8 shorty LiPo positions available to fine tune the chassis . For increased traction run the rearward LiPo position (Positions 6,7,8). For increased steering run the forward Lipo position (Positions 1,2,3). For a balanced feel run the mid LiPo position (Positions 4,5).





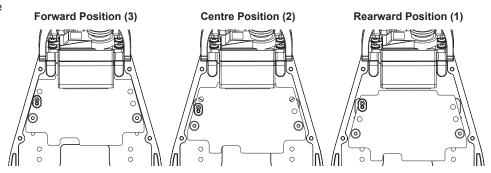


#### **RADIO TRAY POSITION**

See Page 20 Bag E - Step 44

Similar to adjusting the LiPo position, the radio tray can be used to adjust the cars weight balance.

Running Kit Build forward position (3), you will have maximum steering and a settled front end while jumping. Moving the tray further back is better for twitchy or low grip conditions.



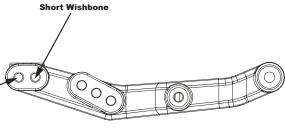
#### **VARIABLE LENGTH REAR WISHBONES**

See Page 14 Bag D - Step 34

The base setting is long wishbone. This setting gives the most on power steering and is the most stable on landing from jumps.

The short wishbone setting will give more rear grip on loose surfaces. When running this setting you need to soften the suspension.





#### **GEAR RATIO (2.53:1)**

See Page 19 Bag E - Step 42

#### **Pinion Gear**

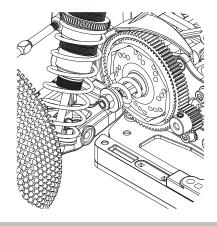
_		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
ea	80	11.91	11.24	10.65	10.12	9.64	9.20	8.80									
r G	78			10.39	9.87	9.40	8.97	8.58	8.22	7.89							
nd	76					9.16	8.74	8.36	8.01	7.69	7.40	7.12					
S	71										6.91	6.65	6.42	6.19	5.99	5.79	5.61

#### **Tooth Sum 97 Minimum to 103 Maximum**

#### **SLIPPER CLUTCH**

See Page 14 Bag D - Step 33

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 **U7418 - 3 Plate Slipper Conversion** this will give you a more durable slipper clutch.



#### **BATTERY X-BRACE \*Option**

When using the X-Brace, you will find the car has more steering response. It will also reduce some rear traction. Part number U7654.



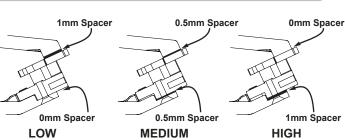


See Page 02 Bag A - Step 03

See Page 02 Bag A - Step 01

#### **PIVOT BLOCK HEIGHT \*Option**

The LD2 provides the option to adjust the front pivot block height using spacers. The kit build pivot block position is high – 1mm spacer between the pivot block and bottom plate. The low position is achieved by removing the 1mm spacer from between the pivot block and bottom plate, and replacing it with the optional 1mm spacer between the link mount and top plate. The team have found when running in the lowest position that you reduce the initial steering a small amount, but in turn gain more corner speed and high speed steering. There is also an option to place the pivot block in the mid position, with a 0.5mm spacers located top and bottom (U8207). The pivot block spacing must always total 1mm (bottom+top).



#### **PIVOT BLOCK WEIGHT \*Option**

The Black Alloy U8211 pivot block will help keep the front end down when the grip levels are high on astro style tracks.

The Brass U8212 pivot block is best used on high grip carpet tracks and will help to increase steering.



#### **PIVOT BLOCK STEERING ARM MOUNTING**

The kit build position of number 2 offers the most aggressive feel for the steering.

Position 1 will offer reduced aggression throughout the steering arc and feel smoother to drive. However, you MUST use either AX009 (25T) or AX010 (23T) alloy servo horns when using this option. See page 34.



#### **ANTI-ROLL BARS (SWAY BARS) \*Options**

See Page 15 Bag D - Step 36

See Page 02 Bag A - Step 01

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.

On the front use a 0.90mm anti-roll bar if you wish to keep the car flat in the corners. The rear anti-roll bar thickness is very dependent on the track surface/layout. On carpet, use a 1.2mm. On astro, start with a 1.0mm and for more initial steering try 1.1mm. If you need to use 1.2mm consider softening the rear spring.

#### **TOE-IN STRAP WEIGHT F & R \*Option**

See Page 16 Bag E - Step 37

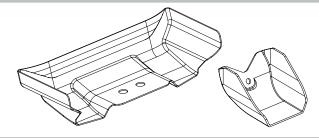
Using the optional U7663 Brass Rear Strap increases the weight by approx 17g over the back of the car helping with low grip conditions. For even more weight, use in conjunction with the U7665 Brass FR Strap. This will add approximately 12g.



#### **REAR WING & FRONT WINGS \*Options**

Both the front and rear wings will add downforce to the the car. Trimming the gurney on the rear wing will reduce the

If the front of the car goes high over the jumps cut away the gurney on the rear wing until stable flight is achieved. Adding the front wing will increase front downforce and help keep the nose down when jumping.



See Page 21 - Step 46





U7663 - Brass RR Strap 3.0 (17g)



U7665 - Brass FR Strap (12g)



U7664 - Brass Rear Weight (15g)



U7654 - C/F X-Brace Conversion



U7419 - Titanium M4 x 20 Grub Screw Option for X-Brace



U7321 - Alloy Gear Diff Cross Pin



CR280 - Titanium Pro Ball Studs - Short (pr) CR281 - Titanium Pro Ball Studs - Ultra Short (pr) CR282 - Titanium Pro Ball Studs - Long (pr)



U7661 - Titanium Front Axle



U7424 - Alloy Lightweight LiPo nuts (pr) Option for X-Brace



U7501 - CFf Wishbones Front - (pr) U7081 - Stiff Wishbones Front - (pr)





U7648 - Alloy Wheel Hex (3.00) - (pr)



U7490 - CFf Wishbones Rear - (pr) U7333 - Stiff Wishbones Rear - (pr)



U7404 - Alloy Radius Arms (pr)



U7406 - Titanium Rear Inboard Pivot Pin (pr) U7470 - Titanium Front Inboard Pivot Pin 2WD (pr)



U7614 - Driveshaft Assembled U\J



U7474 - Titanium Captive Ball Joint Extra Long (pr)



U7400 - Titanium Low Profile M4 Serrated Nut.



U7670 - Lockout 76T Spur Gear U7671 - Lockout 71T Spur Gear



U7676 - Alloy Layshaft Conversion (Stock)

U7666 - Alloy Layshaft (Stock)

U7667 - Alloy Drive Plate (Stock) U7668 - Alloy Thrust Plate (Stock)

U7669 - C/F Motor Plate (Stock)



U4946 - Pro Ball Bearing 5 x 10 x 4 sealed - (pr) U7725 - Pro-Ball Bearing 10x15x4 Sealed - (pr) U7726 - Pro-Ball Bearing 6x12x4 Sealed - (pr)

U7729 - Pro-Ball Bearing 5x9x3 Sealed - (pr)

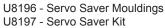
U7730 - Pro-Ball Bearing 4x8x3 Sealed - (pr)

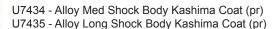






U4890 - Alloy Spring Seat - 2WD/4WD (pr)











U8215 - Front Roll Bar Wires (pk4) U8216 - Front Roll Bar Kit - LD2



U4620 - Alloy Hub Carrier 2WD Front L/R (pr)



U7412 - Allov Rear Hub Carriers 2WD/4WD (pr)



U7651 - Alloy Rear Link Mount



U4228 - Alloy Yokes - 5deg - 2WD (pr) U3712 - Moulded Yokes - Odeg - 2WD (pr)





U8206 - Alloy Front Link Mount U8205 - Alloy Centre Track Rod



U8209 - C/F Front Shock Mount U7656 - C/F Rear Shock Mount U8208 - C/F Chassis - LD2



U8207 - Alloy Pivot Block Spacers 0.5mm



U7418 - 3 Plate Slipper Clutch Conversion U7615 - 80T 2,3,4 Plate Slipper Spur Gear U7616 - 78T 2,3,4 Plate Slipper Spur Gear



U8212 - Brass Pivot Block (41g)

U8211 - Alloy Pivot Block (17g)



U7318 - Titanium Turnbuckle - 53mm - Silver (pr) U7319 - Titanium Turnbuckle - 60mm - Silver (pr)

U7673 - Titanium Turnbuckle - 56mm - Silver (pr)

U7674 - Titanium Turnbuckle - 76mm - Silver (pr) U7857 - Titanium Turnbuckle - 71mm - Silver (pr)



AX009 - AEROX Alloy Servo Arm - Short 25t Futaba AX010 - AEROX Alloy Servo Arm - Short 23t KO/SANWA

U8210 - C/F Filled Side Pods (24.6g pr)



# Schumacher .

#### **SPARES LISTS**

Chassis Pa	rts
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U119	Aerial Tube - Pack 4
U3691	Servo Spacer - Cougar SV/SV2/KR/KF
U4689	Steering Pivots Short - K2,KF2,Mi6/evo,KD,KC,LD,ST
U4773	Aerial Mount - CAT K2
U7339	Front Carpet Protector - CAT L1
U7627	Motor Wire Support - Cougar-Laydown
U7639	S2 Rear Shock Mount - Cougar-Laydown
U7952	Wing Mount Mouldings - CAT L1 EVO
U7970	M2.5 Thread Insert pk10 - L1 EVO,ST
U8005	Side Pods Stiff - LD2 (pr)
U8051	Radio Plate S2 - Storm ST
U8187	Top Plate - LD2
U8188	Bottom Plate - LD2
U8190	Wheelbase Plates - LD2
112101	Rumper - I D2

# U8191 Wheelbase Plates - LD2 U8191 Bumper - LD2 U8192 Manual - LD2 U8194 LiPo Mouldings - LD2 U8195 Servo Horn Fixed Mould

U8195 Servo Horn Fixed Mouldings - LD2
U8198 Centre Track Rod - LD2
U8199 Alloy Chassis - LD2

#### **Bodys & Decals**

U8203

AX005	Aerox Wing CAT L1 - 1.0mm
AX019	Aerox Front Wing - LD2
PCB007	Penguin Emperor Wing - 1mm
PCB010	Penguin King Wing - 1mm
PCB018	Penguin LD2 Body + Mask - 0.75mm
PCB019	Penguin LD2 Body + Mask - 0.50mm
U8193	Decals - LD2

S2 Front Link Mount - LD2

#### **Suspension**

Juspe	1151011
U3708	Quick Clips 2.4 x 2.0mm (pk4) - 2WD/4WD
U3715	Pivot Pin; Screw Type 25mm pr
U3729	WishbonePivot Spheres - Cougar SV pk4
U3758	Yokes; 5 deg - Cougar
U4224	Turnbuckle Adjuster HTT - 60mm - pr
U4274	Pro Ball Stud Short - pk4
U4275	Pro Ball Stud Long - pk4
U4380	Front Hub Carriers - Cougar KR/KF V2 -pr
U4381	Quick Clips 2.4 x 1.0mm (pk4) - 2WD/4WD
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)
U4739	Captive Ball Joint Ultra Long 4pcs - Off Road
U7079	Front Outboard Pivot Pin (pr) - Cougar KC/D
U7080	Rear Suspension Strap - Cougar KC/D
U7083	Rear Strap Spacers - Cougar KC/D
U7133	Quik Clips 2.4x1.5mm (pk4) - 2WD/4WD
U7135	Front Wishbones Med Flex Yellow Dot - KC,KD,LD
U7337	Radius Arms pr - L1/EVO
U7368	Rear Outboard Pivot Pin - CAT L1 (pr)
U7628	Rear Toe-In Inserts - Cougar-Laydown (8prs)
U7634	Strap Spacers - Cougar-Laydown (2pcs)
U7635	Front Axle - Cougar-Laydown (pr)
U7636	Rear Link Mount - Cougar-Laydown
U7644	Alloy FR Strap - Cougar-Laydown
U7649	Alloy Shock Standoff - Cougar-Laydown (pr)
117070	T 1 11 A 11 ( 11TT = 0 ( )

Turnbuckle Adjuster HTT - 56mm - (pr)

Shock Pivot Ball 5.5mm (pk4)

Rear Hub Carrier - (pr) L1/EVO,ST

Front Inboard Pivot Pin - LD2 (pr)

Rear Inboard Pivot Pin - LD2 (pr)

S2 Front Pivot Block Spacers - LD2

S2 Front Shock Mount - LD2

Rear Wishbones Med Flex - CAT L1/EVO

Ball Stud Low (Short) (pk4)

Long Socket 5.5mm (pr)

Pivot Block - LD2

#### **Transmission**

U2761	Diff Shims; 10x12x0.2 (pk8)
U3364	Slipper Pad; PTFE Octagon pr
U3834	Driveshaft; Pivot; Pin; Screw - Mi4/Mi5/KR 1pc
U4083	Slipper Spacer - Cougar SVR
U4176	Gear Diff Gear Set - K1/KF
U4385	Gear Diff Rebuild Kit - KR/Laydown
U4386	Gear Diff Output - Cougar KR
U4387	Gear Diff Mouldings - Cougar KR
U4486	Rear Wheel Bearing Spacers - Cougar KF - Pair
U4674	Slipper Spring Bush - KF2
U4712	Gear Diff O-Rings
U4990	Layshaft - Cougar KD
U7065	Slipper Spring Twin Plate - 2WD/4WD
U7066	Diff Output Pin (pr) - Cougar KC
U7068	Eccentrics - Cougar KC (2 prs)
U7403	Alloy Wheel Hex 7.5mm - CAT L1 (pr)
U7615	80T 2,3,4 Plate Slipper Spur Gear
U7617	Right Hand Lower Trans - Cougar-Laydown
U7618	Left Hand Lower Trans - Cougar-Laydown
U7619	Upper Trans Forward - Cougar-Laydown
U7620	Upper Trans Rearward - Cougar-Laydown
U7622	Idler Shaft - Cougar-Laydown
U7624	Diff Cross Pin - Cougar-Laydown
U7629	Finger Guard - Cougar-Laydown
U7639	S2 Rear Shock Mount - Cougar-Laydown
U7645	Alloy Motor Plate - Cougar-Laydown
U7646	Alloy Wheel Hex (-0.75) - Cougar-Laydown (pr)
U7662	CVD Rear Axle - Cougar Laydown
U7700	Gear Diff Complete - Cougar Laydown
U7701	CNC Idler Gear - Cougar Laydown v2
U7980	0.5mm 20T Bevel Gear Shim - L1 EVO,ST
U8015	Inner Slipper Plate - Storm ST
U8016	Outer Slipper Plate - Storm ST
U8270	Driveshaft Assembled CVD - Cougar-Laydown - (pr)

#### **Bearings & Balls**

U8271

Dearin	iyə & Daliə
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)
U4084	Ball Bearing - 6x12x4 Red Seal - (pr)
U4946	Pro Ball Bearing 5 x 10 x 4 sealed - pr
U7088	Ball Bearing 5x10x4 Red Seal FL - (pr)
U7328	Ball Bearing - 5 x 11 x 4 Red Seal - (pr)
U7725	Pro-Ball Bearing 10x15x4 Sealed - (pr)
U7726	Pro-Ball Bearing 6x12x4 Sealed - (pr)
U7729	Pro-Ball Bearing 5x9x3 Sealed - (pr)
U7730	Pro-Ball Bearing 4x8x3 Sealed - (pr)
U7997	Ceramic Ball Bearing 6 x 12 x 4 (pr)

CVD Rear Bone - Cougar-Laydown

Big Bo	ore Shocks
RI-29101	Ride Shock Air Remover - Long
U3667	Big Bore Shock; Rebuild Kit - Off Rd pk4
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)
U4110	Off Road Shock O Ring 1/8 Silicone Pk 8
U4451	Big Bore Shock Collar O-ring - pk4
U4508	Big Bore Pro Bush - Off Road
U4701	Big Bore Piston - 3 Hole Black 1.6 Rounded (pr)
U4702	Shock Seal Housing V2 - Big Bore - (pr)
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 (Excluding Springs) - Cougar KC/KD/LD
U7132	Rear Shocks (Excluding Springs) - Cougar KC/KD/LD
U7388	Alloy Med Shock Body - CAT L1 (pr)

U7672 U7675

U7833

U7867

U7948 U7987

U8189

U8200 U8201

U8202

U8204



#### **SPARES LISTS**

U7389	Alloy Long Shock Body pr - LD,L1/EVO,ST
U7390	Alloy Spring Adjuster - CAT L1 (pr)
U7431	Rod End Socket (Dia 5.5mm) (pk4)
U7433	Big Bore Piston - Blank Tapered (pr)
U7625	Spring Hanger Low - (pr)
117000	Charle Distan Cunnert Courser Laydown (n

U7630 Shock Piston Support - Cougar-Laydown (pr) U7631 Piston; 3 hole - 13mm - Red - Off Road (pr) Tapped Shock Shaft; Med - Off Road (pr) U7632 Tapped Shock Shaft; Long - Off Road (pr) U7633 U7728 M2.5x4 Button Screws (pk10)

Big B	ore Springs
CR177	CORE RC Big Bore Spring Tuning Set; Med 7prs
CR178	CORE RC Big Bore Spring Tuning Set; Long 7prs
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
CR699	Big Bore Spring; Long Orange - 2.8 pr
CR700	Big Bore Spring; Long Yellow - 3.0 pr
CR808	High Response Spring; Long Red - 2.0 lb/in (pr)
CR809	High Response Spring; Long Green - 2.2 lb/in (pr)
CR810	High Response Spring; Long Blue - 2.4 lb/in (pr)
CR811	High Response Spring; Long Black - 2.6 lb/in (pr)
CR812	High Response Spring Tuning Set Long 4prs

Hardy	vare
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
CR196	CORE RC - Serrated Alloy M4 Nuts - Black - pk4
U1548	SPEED PACK - M3 Washers
U1633	SPEED PACK - Small Pins (pk)
U1960	SPEED PACK - O Rings; Various
U2128	SPEED PACK - Grub-Set Screws M3 M4
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 Screw pk4
U3753	SPEED PACK - M2.5x6 Button Hd pk8
U3754	SPEED PACK - M2.5x10 Csk Hd pk8
U4124	SPEED PACK - Shims 5 x 7 x 0.4mm - pk6
U4210	SPEED PACK - Pinion Grub Screw Set pk10
U4220	'O' Ring 9.0x1.0 (pk10)
U4241	SPEED PACK - M3 Alloy Nyloc Nuts - Black - pk10
U4314	SPEED PACK - Alloy Black M3 Washers - 18pc
U4650	SPEED PACK - M3 Nyloc Nut Steel - Black (10pcs)
U4651	SPEED PACK M3x10 Grub Screws (10pcs)
U4652	SPEED PACK M3x2.5 Grub Screws (10pcs)
U4662	SPEED PACK - M3x4 Grub Screw - Cone Point (10pcs)
U7105	SPEED PACK - M3x10 Button Hd (pk10)
U7106	SPEED PACK - M3x12 Button Hd (pk10)
U7107	SPEED PACK - M3x16 Button Hd (pk10)
U7108	SPEED PACK - M3x20 Button Hd (pk10)
U7112	SPEED PACK - M3x8 Cap Hd (pk10)
U7122	SPEED PACK - M3x12 Csk Hd (pk10)
U7123	SPEED PACK - M3x16 Csk Hd (pk10)
U7609	SPEED PACK - M3x16 Grub Screw (pk10)
U7610	SPEED PACK - M2.5x16 Cap Hd (pk10)

SPEED PACK - M3x14 Button Hd (pk10)

SPEED PACK - M2.5x8 Csk Hd (pk10)

U7611

U7677

```
U7689
         M3 Brass Inserts - pk10
U7699
         Foam Strips 40 x 6 x 2mm thk - pk20
         M3 Steel Washers (pk10)
U7707
         M3 Black Alloy Washers 0.75mm (pk10)
U7709
U7710
         M3 Black Alloy Washers 1.00mm (pk10)
         M3 Black Alloy Washers 2.00mm (pk10)
U7711
         M3 Black Alloy Washers 3.00mm (pk10)
U7712
U7791
         SPEED PACK M2.5 x 4 CSK (pk4)
U7900
         SPEED PACK Needle Roller 1.5x9.8 (pk10)
```

Option	n Parts
AX009	Aerox Alloy Servo Arm - Short 25T Futaba
AX010 Aerox Alloy Servo Arm - Short 23T KO/Sanwa	
CR280	Ti Pro Ball Studs - Short - (pr)
CR282	Ti Pro Ball Studs - Long - (pr)
CR304	Titanium Wheel Nuts M4 - pk4
CR720	Ti Pro Ball Studs - Ultra Long - pk 2
KRC-CLE	EAR Klinik RC Premium Clear Shock O-Rings (8)
KRC-INS	SERTS Klinik RC M3 Thread Repair Inserts (10)
KRC-LD0	CAMBER Klinik RC Rear Camber Mount - Laydown
KRC-M3	REPAIR Klinik RC M3 Thread Repair Kit with Drill Bit (10)
KRC-TBI	LD Klinik RC Cougar Laydown Ti Turnbuckle Set
U3348	Gear; CNC 80t Spur - Slipper
U3499	Roll Bar Blocks - Mi4 pk4
U3712	Yokes; 0 deg - Cougar SV/SV2/KR/KF
U3790	Gear; CNC 76T Spur - Slipper
U4226	Gear; CNC 71T Spur - Slipper
U4228	Alloy Yokes - 2WD - 5deg - Cougar
U4299	Turnbuckle HT - 52mm - pr
U4620	Alloy Hub Carrier 2WD Front L/R - pr
U4765	Lipo Post Nut - CAT K2 - (2pcs)
U4778	LiPo Stops - CAT K2 - (4pcs)
U4890	Alloy Spring Seat - Off Road - pr
U4999	Front Brass Weight - KC/D 24g
U7031	Socket Grey 8mm (pk4)
U7045	Lipo Posts Standard - Cougar KC/D
U7046	Lipo Posts Short - Cougar KC/D
U7081	Front Wishbones Stiff - KD,KC,LD
U7090	SPEED PACK - M4x20 Grub Screw (pk4)

U7318 Titanium Turnbuckle - 53mm - Silver - pr U7319 Titanium Turnbuckle - 60mm - Silver - pr U7321 Gear Diff Alloy Cross Pin - KD/KC/K2 - pr U7333 Rear Wishbones pr - LD,L1/EVO U7398 Alloy Wheel Hex 6mm - CAT L1 (pr) U7400 Titanium Low Profile M4 Serrated Nut (pk4) Alloy Wheel Hex 6.75mm - CAT L1 (pr) U7402 U7404 Alloy Radius Arms pr - L1/EVO Alloy Rear Hub Carriers - Off Road (pr) U7412 U7418 Titanium M4 x 20 Grub Screw (pr) U7419 U7420 Alloy Adjustable Rear Wing Mount Set - Offroad U7424 Alloy Lightweight LiPo Nut - (pr) U7434 U7435

V2 3 Plate Slipper Clutch Conversion KC/KD/L1/LD Alloy Med Shock Body Kashima Coat - CAT L1 (pr) Alloy Long Shock Body Kashima Coat - CAT L1 (pr) U7474 Captive Ball Joint Ti - Extra Long - pr U7490 C/F Wishbones Rear - CAT L1 (pr) U7501 C/F Wishbones - Front KC/KD - 2WD U7614 Driveshaft Assembled U\J - Cougar-Laydown - (pr) U7616 78T 2,3,4 Plate Slipper Spur Gear CNC U7647 Alloy Wheel Hex (2.25) - Cougar-Laydown (pr) U7648 Alloy Wheel Hex (3.00) - Cougar-Laydown (pr) U7651 Alloy Rear Link Mount - Cougar-Laydown U7654 C/F X-Brace Conversion - Cougar-Laydown C/F Rear Shock Mount - Cougar-Laydown U7656 Rear Roll Bar Conversion - Cougar-Laydown U7658 U7659 ARB Mounting Collar - Cougar-Laydown U7660 Rear Roll Bars - Cougar-Laydown (5pcs) U7661 Titanium Front Axle - Cougar-Laydown (pr) U7663 Brass RR Strap 3.0 (17g) - Cougar-Laydown U7664 Brass Rear Weight (15g) - Cougar-Laydown (pr) U7665 Brass FR Strap (12g) - Cougar-Laydown Titanium Turnbuckle - 56mm - Silver - (pr) U7673 Titanium Turnbuckle - 76mm - Silver - (pr) U7674



#### **SPARES LISTS**

Optio	n Parts Cont.
U7676	Alloy Layshaft Conversion (Stock) - LD,ST
U7678	Brass Radio Plate (30g) - Cougar-Laydown
U7692	V3 Diff Washers + Balls
U7693	V3 Diff Male Washer Carrier - KD/Laydown
U7694	V3 Diff Female Washer Carrier - KD/Laydown
U7695	V3 Diff Thrust Race
U7696	V3 Diff T-Nut Inserts - (pr)
U7697	V3 Ball Diff Service Kit
U7698	V3 Ball Diff Complete KD/Laydown/KR
U7839	C/F LiPo Swivel pr - Mi7,FT
U7856	Turnbuckle Adjuster HTT - 71mm (pr)
U7857	Titanium Turnbuckle - 71mm - Silver (pr)
U7868	C/F Left Hand Lower Trans - LD,ST
U7869	C/F Right Hand Lower Trans - LD,ST
U7975	Alloy Eccentric Mid - KC,KD,LD,L1 & LE EVO (pr)
U7976	Alloy Eccentric Hi-Lo - KC,KD,LD,L1 & L1 EVO (pr)
U7982	Alloy Spring Seat High - Off Road (pr)
U7984	Alloy LiPo Posts Short-KC,KD,LD,L1,L1 EVO-pr
U7985	Alloy LiPo Post Spacer-KC,KD,LD,L1,L1 EVO (4)
U7993	Alloy Diff Conversion - LD,KD,KR
U7994	Alloy Diff Complete - LD,KD,KR
U8035	Third Slipper Plate - Storm ST
U8047	Titanium Layshaft - LD,KD
U8196	Servo Saver Mouldings - LD2
U8197	Servo Saver Kit - LD2
U8205	Alloy Centre Track Rod - LD2
U8206	Alloy Front Link Mount - LD2
U8207	Alloy Pivot Block Spacers 0.5mm - LD2
U8208	C/F Chassis - LD2
U8209	C/F Front Shock Mount - LD2
U8210	C/F Filled Side Pods - LD2 (pr)
U8211	Alloy Pivot Block - LD2

#### **Pinions**

U8212

U8215

U8216

Pinion	15
U2306	17T Steel Pinion - 48 D.P.
U2307	18T Steel Pinion - 48 D.P.
U2308	19T Steel Pinion - 48 D.P.
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
U3427	Pinion; Hard Alloy 48dp - 27T
U3428	Pinion; Hard Alloy 48dp - 28T

Brass Pivot Block - LD2

Front Roll Bar Kit - LD2

Front Roll Bar Wires (4) - LD2

#### **Pinions Cont.**

	~ ~~····
U3429	Pinion; Hard Alloy 48dp - 29T
U3430	Pinion; Hard Alloy 48dp - 30T
U3431	Pinion; Hard Alloy 48dp - 31T
U3432	Pinion; Hard Alloy 48dp - 32T

#### Wheels

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
U4661	Wheel; Hex - Slim - 2WD - White
U7454	Wheel Front Slim 2WD - Neon Yellow v2 - pr
U7455	Wheel Front Slim 2WD - Neon Yellow v2 - 5pr
U7456	Wheel Front Med 2WD - Neon Yellow v2 - pr
U7457	Wheel Front Med 2WD-Neon Yellow v2 - 5pr
U7460	Wheel Rear Off-Road - Neon Yellow v2 - pr
U7461	Wheel Rear Off-Road - Neon Yellow v2 - 5pr
U7466	Wheel Front Slim 2WD - White - 5pr
U7467	Wheel Front Med 2WD - White - 5pr
U7469	Wheel Rear Off-Road - White - 5pr



AM640033 64 Ti Screw Allen Round Head M3 x 8 (5) U7666 Alloy Layshaft (Stock) - Cougar-Laydown U7667 Alloy Drive Plate (Stock) - Cougar-Laydown U7668 Alloy Thrust Plate (Stock) - Cougar-Laydown U7669 C/F Motor Plate (Stock) - Cougar-Laydown Lockout 76T Spur Gear - Cougar-Laydown Lockout 71T Spur Gear - Cougar-Laydown U7670 U7671 U7868 C/F Left Hand Lower Trans - Cougar Laydown U7869 C/F Right Hand Lower Trans - Cougar Laydown U8208 C/F Chassis - LD2



For the latest spares and option parts visit.....

















#### **TYRES, WHEELS & INSERTS**



2WD Slim Mini Spike 2

U6549 - Blue Compound (pair) U6550 - Green Compound (pair) U6581 - Yellow Compound (pair) U6761 - Silver Compound (pair)



**Low Profile 2WD Slim Cut Stagger** 

U6770 - Yellow Compound (pair) U6771 - Green Compound (pair) U6775 - Silver Compound (pair) U6776 - Blue Compound (pair)



#### **Neon Yellow**

**U7460** - Rear (Pair) **U7461** - Rear (5 Pairs) U7456 - Front Med (Pair) U7457 - Front Med (5 Pairs) U7454 - Front Slim (Pair) U7455 - Front Slim (5 Pairs)

#### White

**U4366** - Rear (Pair) U7469 - Rear (5 Pairs) **U4368** - Front Med (Pair) **U7467** - Front Med (5 Pairs) U4661 - Front Slim (Pair) U7466 - Front Slim (5 Pairs)

#### Black

U4365 - Rear (Pair) U4367 - Front Med (Pair) U4660 - Front Slim (Pair)





Rear Mini Spike 2

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



Rear 2.2" Full Spike

U6596 - Yellow Compound (pair)



Rear Honeycomb

U6863 - Yellow Compound (pair)



Rear Mini Dart

U6826 - Yellow Compound (pair) U6829 - Blue Compound (pair) U6832 - Silver Compound (pair)



MEZZO

U6885 - Yellow Compound (pair) U6886 - Silver Compound (pair) U6887 - Blue Compound (pair)



**Rear Cactus** 

U6838 - Yellow Compound (pair) U6842 - Silver Compound (pair) U6844 - Blue Compound (pair)



**Front Slim** 

**U6738** - Med (pair) **U6667** - Hard (pair)



**Foam Inserts** 

**Front Med** 

**U6733** - Med (pair) CR689 - Closed Cell (pair)



Rear

U6653 - Hard (pair) U6668 - Soft Ultra Wide (pair) U6669 - Hard Ultra Wide (pair) **U6734** - Med (pair)

U6747 - Med Tubby (pair)

MC0002 - Cragg KWF (pair) CR687 - Closed Cell (pair)

# **Pre-Glued**

Yellow Compound Tyres White 12mm Hex Wheels

#### 2WD Slim Front

U6753 - Mini Spike **U6755** - Mini Pin

U6760 - Cut Stagger U6801 - Cut Stagger Low Pro U6833 - Mini Dart

2WD Med Front U6860 - Honeycomb

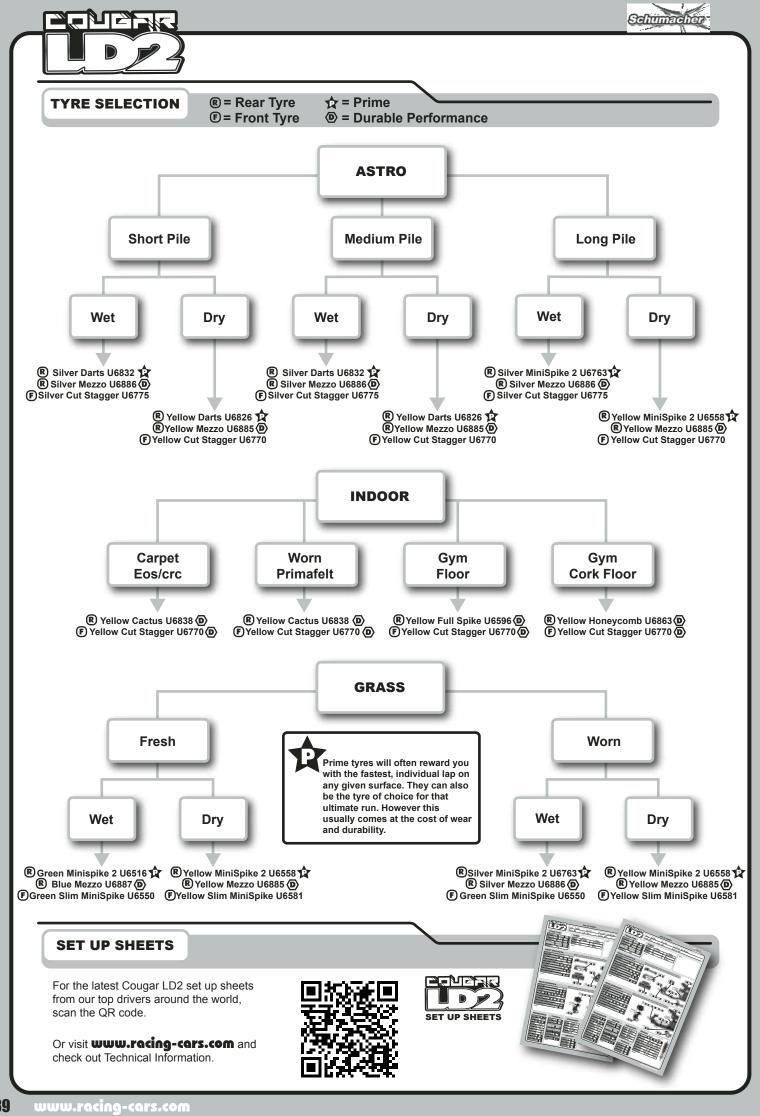
#### Rear

**U6792** - Mini Pin **U6794** - Mini Spike2 **U6806** - Mini Pin 2

**U6818** - Mini Pin 1 U6835 - Mini Dart **U6839** - Cactus U6864 - Honeycomb For the full and latest range of off-road tyres, scan the QR code.

Or visit www.racing-cars.com and check out Products > Wheels & Tyres.





Final: N/A





Trish Neal Event/Track: Tests / Multiple Driver: Date: N/A

#### TRACK TYPE

Grip Level		High☐ Medium Low☐	
Туре		Tight ☐ Open☐ Mixed ☐	
Conditio	Condition Flat Bumpy Mixed		
Surface	Clay Long Astro Carpet		
Grass ☐ Short Astro ☐ Mixed ☐			
Weather		Sunnv	

Qualify: N/A

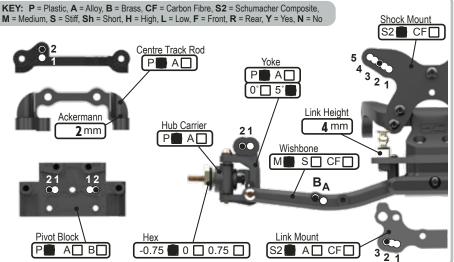
TYRES	FRONT	REAR
Tyres	Yellow Stagger	Yellow MEZZO
Wheels	Kit	Kit
Inserts	None	Medium
Notes:		

Notes:

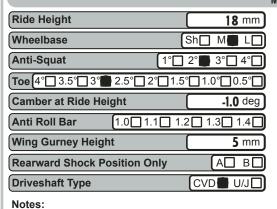
Best Lap: N/A

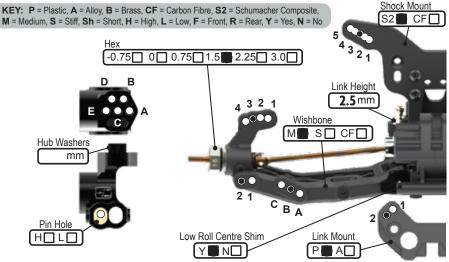
#### FRONT SUSPENSION

FRUNT SUSPER	431014
Ride Height	<b>18</b> mm
Wheelbase	0 +1.5 +3.0 +4.5
Toe	<b>1.0</b> deg In ☐ Out ■
Camber at Ride Height	<b>-1.0</b> deg
Anti Roll Bar	0.9 1.0 1.1 1.2
Front Wing	Y N
Hub Height	H M L
Bump Steer Washers	<b>2</b> mm
Pivot Block Height	H M L
Notes:	



#### **REAR SUSPENSION**





#### **TRANSMISSION**

Diff Height	H 🗌 M	
Diff Oil	1 <b>2</b> K	cSt
Diff Type B	] 2g□	4g
Motor [	7.0 Tu	rn
Rotor Dia.	12.3	mm
Rotol Dia.	12.3	
Timing		deg
Timing		deg
Timing Pinion	20	deg <b>23</b> t

Slipper Plates 2 3

# **CHASSIS**

Chassis A C/F
Side Pods S C/F
Chassis Insert
0mm
LiPo Position 1 2 3 4 5 6 7 8
X Brace Y N
Running Weight 15009

Notes:

#### **EQUIPMENT**

E.S.C.	LRP Flow X	
Servo	KORSX 3	
RX (	Sanwa	
LiPo	LRP 4000	
Bodyshell Kit		

WEIGHIS					
Chassis	F 🗆	R			
Rear Strap	F 🗌	R 💮			
Radio Tray	Y□	N 💮			
Under LiPo	Y□	N 💮			

#### **KEY: i** = Internal, **e** = External, **V** = Vented, **S** = Sealed, **A** = Aeration **SHOCKS**

	FRONT	REAR	-	
Сар	V S A	V S A		
Body	(Kit )(	Kit	7	
Oil	<b>550</b> cSt )	<b>400</b> cSt	4 4	
Piston (White 1.5 3 Hole) Red 1.7 3 Hole				
Spring	<b>Black 4.0</b> lb/in	Green 2.2 lb/in	4	
Limiters (i)	<b>0</b> mm)	<b>0</b> mm	8 8	
Stroke	<b>22.0</b> mm )(	<b>27.3</b> mm		
Limiters (e)	<b>0</b> mm )(	<b>0</b> mm		

40





**SET UP SHEET** Driver: Date: Event/Track: Qualify: Final: Best Lap: Notes: **TYRES** TRACK TYPE **FRONT REAR** Tyres Grip Level High Medium Low Wheels Type Tight ☐ Open☐ Mixed ☐ Inserts Condition Flat Bumpy Mixed Surface Clay Long Astro Carpet ☐ Notes: Grass ☐ Short Astro ☐ Mixed ☐ Weather KEY: P = Plastic, A = Alloy, B = Brass, CF = Carbon Fibre, S2 = Schumacher Composite, **FRONT SUSPENSION** M = Medium, S = Stiff, Sh = Short, H = High, L = Low, F = Front, R = Rear, Y = Yes, N = No Shock Mount S2 CF Ride Height mm Centre Track Rod 0 +1.5 +3.0 +4.5 Wheelbase [P A ] Yoke P A Toe deg In ☐ Out ☐ Camber at Ride Height deg Link Height Ackermann Anti Roll Bar 0.9 1.0 1.1 1.2 Hub Carrier mm Front Wing  $Y \square$  $N \square$ Wishbone **Hub Height**  $H \square M \square L \square$ M S CF **Bump Steer Washers** mm ВА  $H \square M \square L \square$ **Pivot Block Height** Notes: Pivot Block Link Mount P A B -0.75 🔲 0 🔲 0.75 🔲 S2 A CF Shock Mount KEY: P = Plastic, A = Alloy, B = Brass, CF = Carbon Fibre, S2 = Schumacher Composite, **REAR SUSPENSION** S2 CF **M** = Medium, **S** = Stiff, **Sh** = Short, **H** = High, **L** = Low, **F** = Front, **R** = Rear, **Y** = Yes, **N** = No Ride Height mm -0.75 0 0.75 1.5 2.25 3.0 Wheelbase Sh M L Anti-Squat [1°□ 2°□ 3°□ 4°□ Link Height Toe 4° 3.5° 3° 2.5° 2° 1.5° 1.0° 0.5° 4 3 2 1 Wishbone deg Camber at Ride Height M S CF Anti Roll Bar 1.0 🗌 1.1 🔲 1.2 🔲 1.3 🔲 1.4 🗀 **Hub Washers** mm Wing Gurney Height mm  $A \square B \square$ Rearward Shock Position Only **Driveshaft Type** CVD U/J BA Pin Hole Notes: Low Roll Centre Shim Link Mount [P 🗆 A 🗆 **KEY: i** = Internal, **e** = External, **V** = Vented, **S** = Sealed, **A** = Aeration **TRANSMISSION CHASSIS EQUIPMENT SHOCKS FRONT** Diff Height H M L E.S.C. Chassis 【A □ C/F□ Cap Diff Oil Side Pods Servo cSt [S □ C/F □] Body Diff Type B 2g 4g RX **Chassis Insert** Oil cSt cSt Motor LiPo Piston **LiPo Position** Rotor Dia. mm Bodyshell Spring lb/in lb/in  $\begin{bmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\ \square & \square \end{bmatrix}$ Timing deg Limiters (i) mm mm **WEIGHTS** Pinion X Brace ИΠ Stroke mm mm Chassis Spur Running Weight FΠ R 🔲 mm mm Limiters (e) Motor Plate A CF Radio Tray 1 2 3 Rear Strap  $R \square$ Notes: Notes: **Lock Out** ΝГ Radio Tray  $Y \square$ ΝП Slipper Plates 2 3 Under LiPo Y И□