

PRO I/IOth 2WD Off-Road Buggy



Instruction Manual 18801



71-73 Tenter Road Moulton Park Northampton NN3 6AX





This manual contains build steps for all LD3 models. Any step unique to a particular model is identified by the following logos: Key: LD3M = Modified, LD3S = Stock, LD3D = Dirt

COUGAR





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









2S Shorty LiPo

Battery Charger

















Steering Servo

Electronic Speed Controller

Polycarbonate Paint



ICON KEYS

BLUE CR520

CORE CR522

CORE RC Molybdenum Thrust Race Grease - 10ml - Pot - CR755 CORE RC Medium Thread Lock 3ml - CR520

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

CORE RC High Performance Lithium Grease - 10ml - CR752

CORE RC Silicone Ball Diff Grease - 10ml - CR753

Caution/Important note. Please read.

LH RH

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 36 for LD3M kit setup.

See website for LD3S and LD3D kit setups.



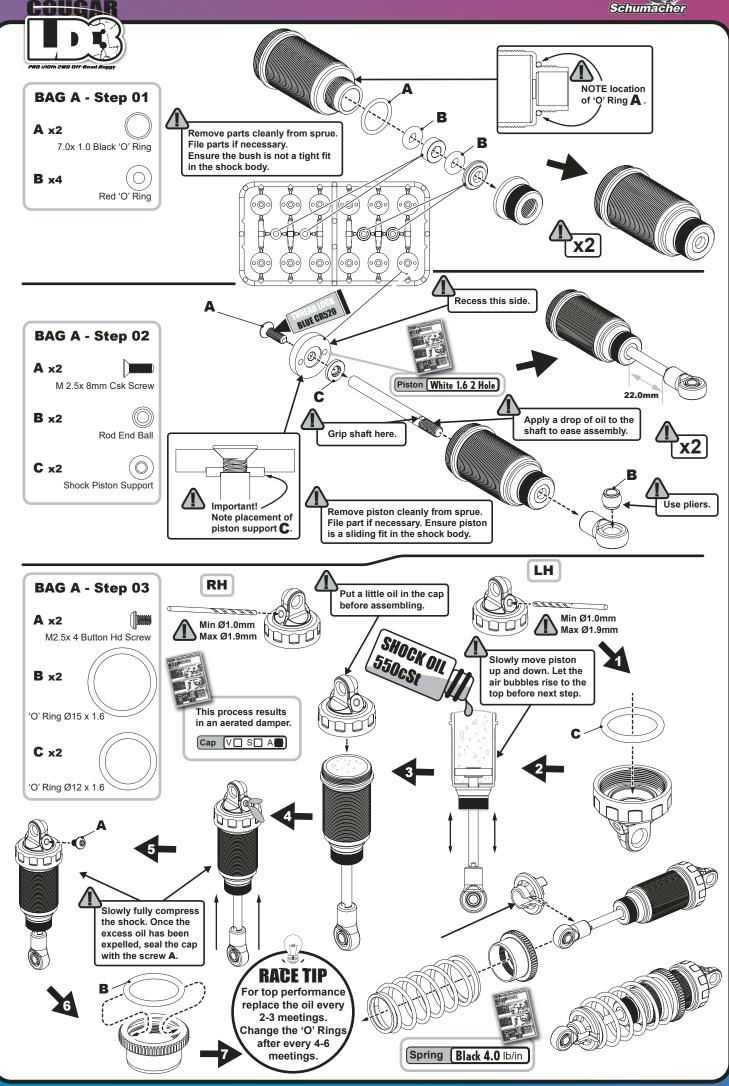


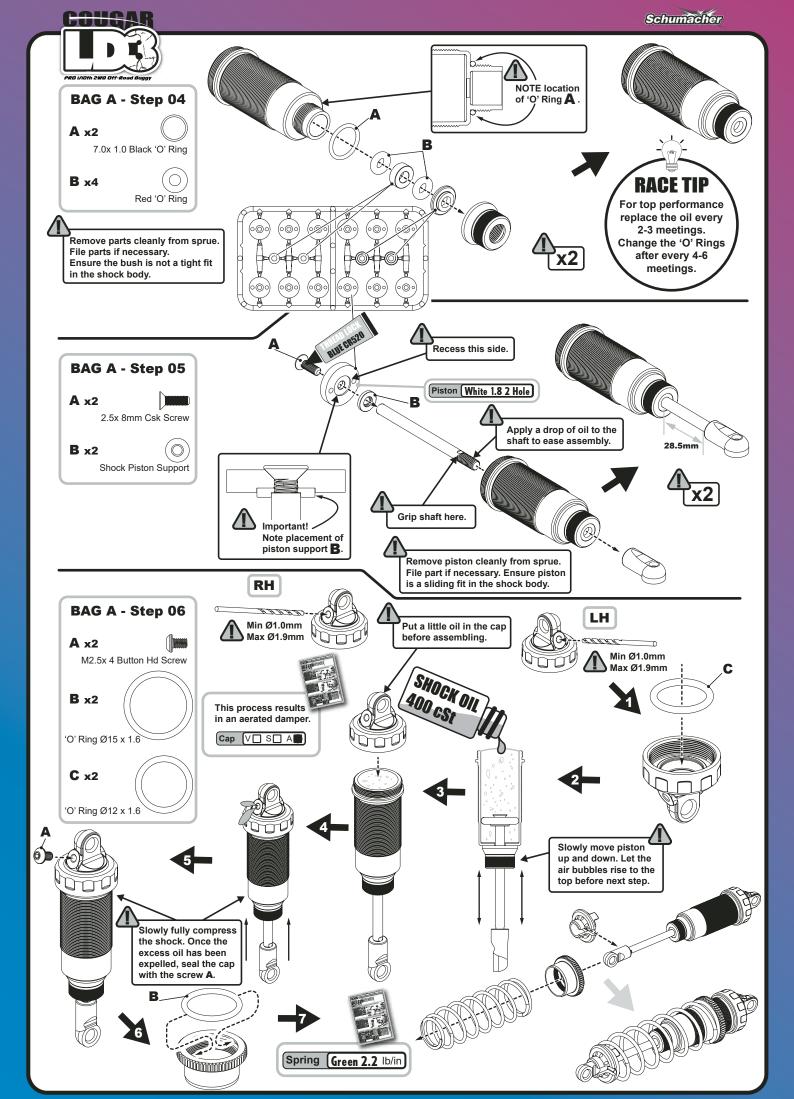
















BAG A - Step 07

A x3

Ø5 x Ø7 x 0.1mm Shim

B x2

Ø4 x Ø13 x 0.1mm Shim

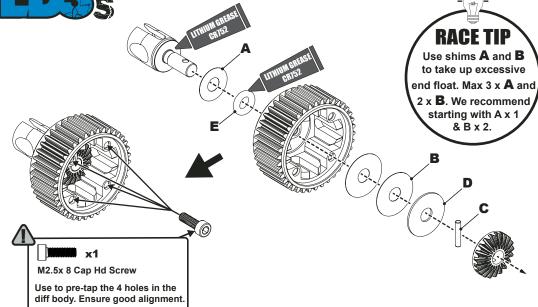
C x1

Ø1.5 x 7.8 Pin

D x1

Ø4 x Ø13 x 0.5mm Shim

'O' Ring Ø3.69 x 1.8



BAG A - Step 08

A x3

Ø5 x Ø7 x 0.1mm Shim

B x2

Ø4 x Ø13 x 0.1mm Shim

C_{x1}

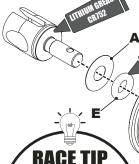
Ø1.5 x 7.8 Pin

D x1

Ø4 x Ø13 x 0.5mm Shim

E x1

'O' Ring Ø3.69 x 1.8



Use shims **A** and **B** to take up excessive end float. Max 3 x 🗛 and 2 x B. We recommend starting with 1 of each first.



Completely assemble the diff before adding oil to check the gear mesh. The mesh should have minimal backlash without being tight. Try adding or removing shim B in steps 7 & 8 to optimise the mesh.

BAG A - Step 09

A x2

Ø3 x Ø9 x 0.5mm Shim

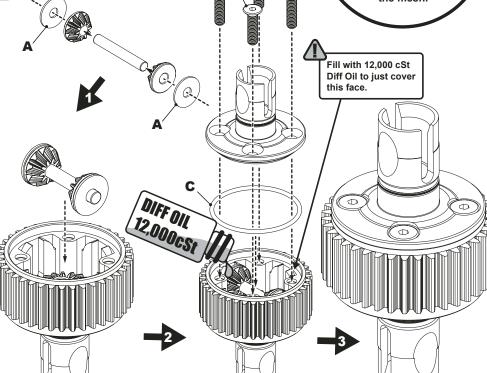
B x4

M2.5x 10 Csk Hd Screw C x1

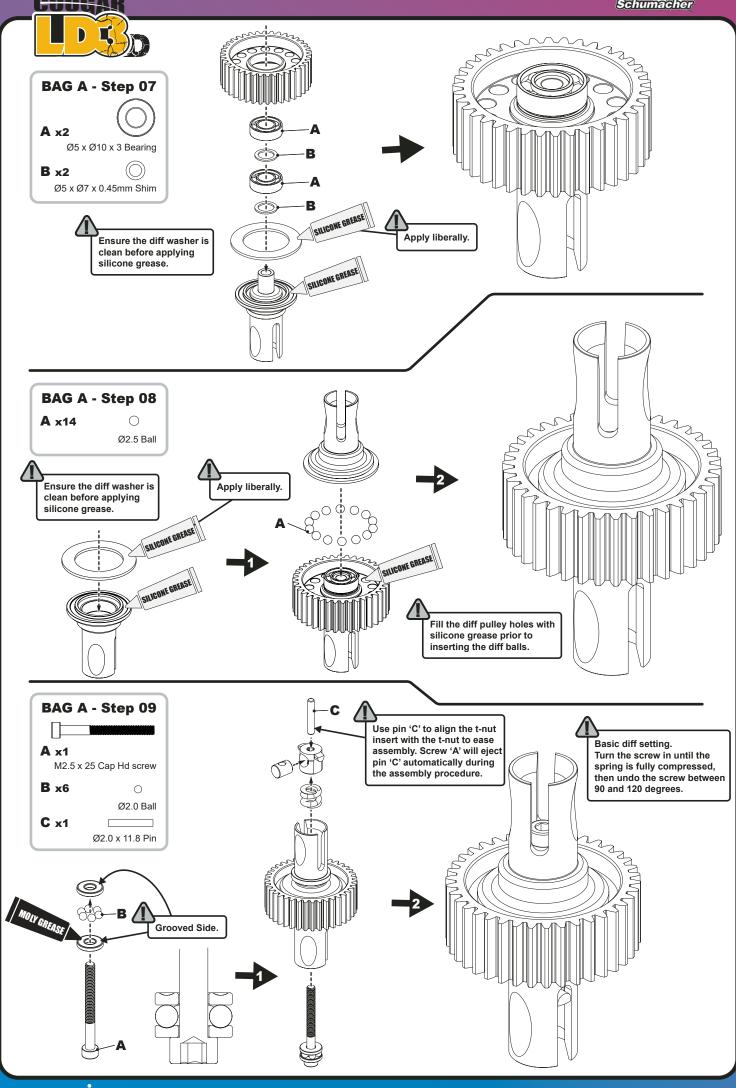
'O' Ring Ø21 x 1.0

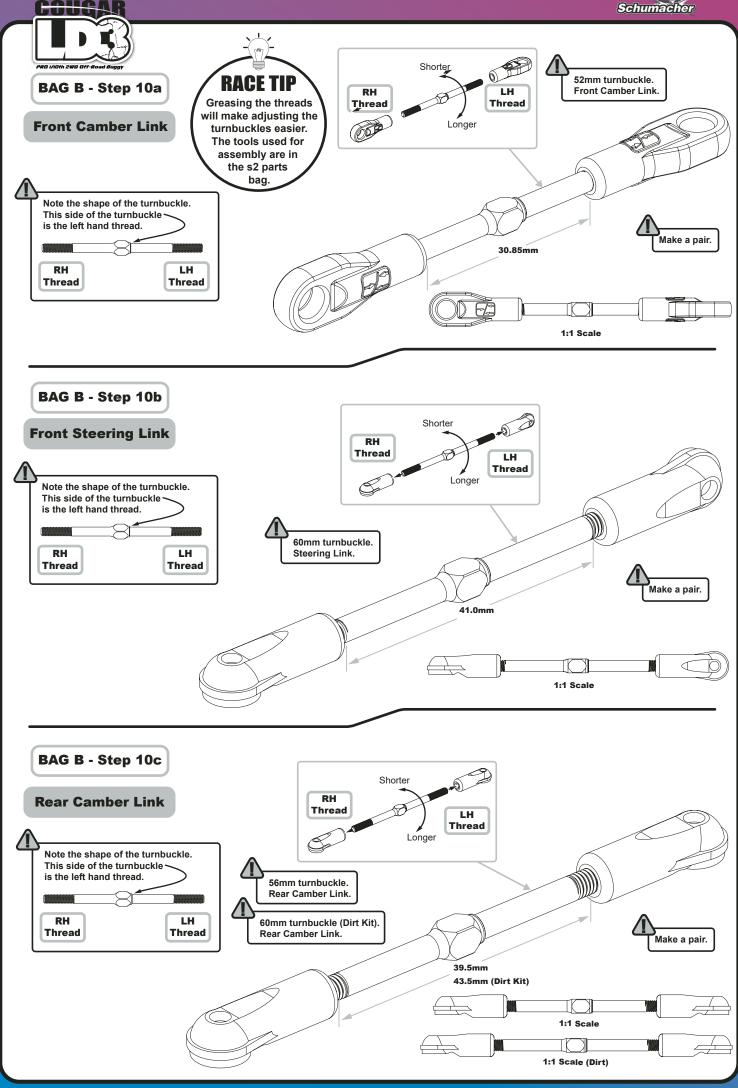


Put a little oil in the diff housing before you place the gears in. Always make sure all the bubbles in the oil come out.











BAG B - Step 11

A x2



M3 x 12 Button Hd Screw

B x2



Black Alloy Washer 0.75mm

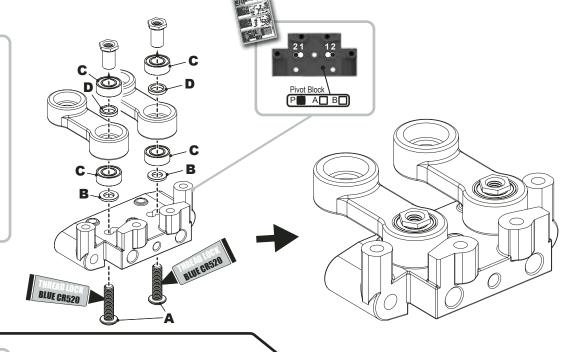
C x4



ø4 x ø8 x 3 Bearing

D x2





BAG B - Step 12

A x2



M3 x 12 Button Hd Screw

B x2



C x2



D x4



E x2



ø4 x ø5.6mm Shim

F x1



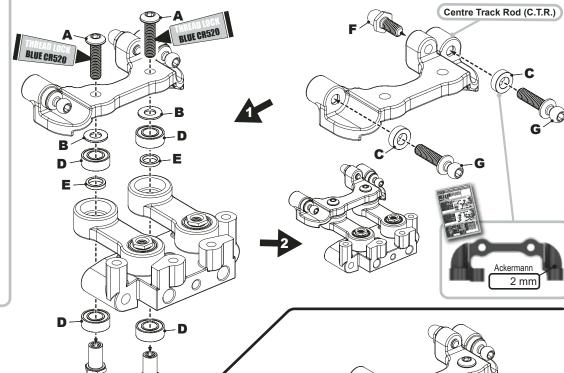
Black Ball Stud

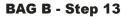


Extra Long Ball Stud



Use a small amount of threadlock.

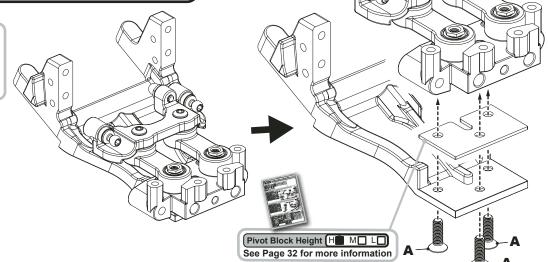


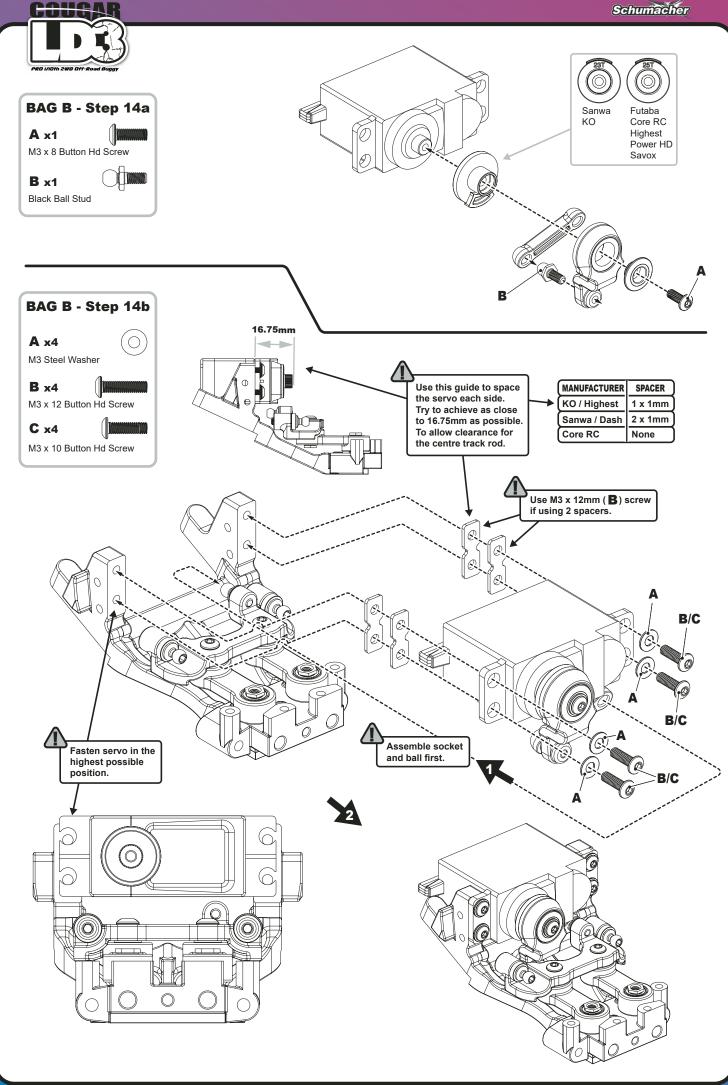


А х3



M3 x 10 Csk Hd Screw







BAG B - Step 15



M3 x 10 Button Hd Screw





M3 x 12 Cap Hd Screw

C x3



M3 Steel Washer

D x4



E x2



F x2



M3 Thread Insert

G x2

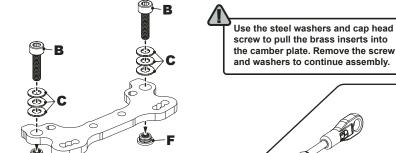


M3 Nyloc

H x2

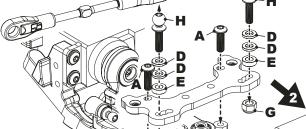


5.5mm Ball Stud Ex Long





Assemble the turnbuckles with the LH threads pointing to the LH side of the car.

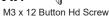




From step 10a



A x4



B x2





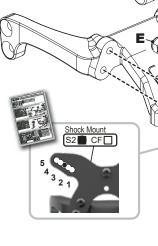


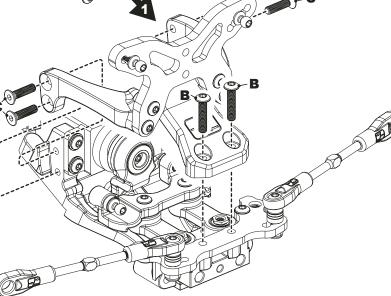
D x2

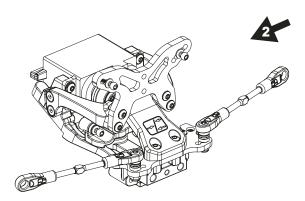


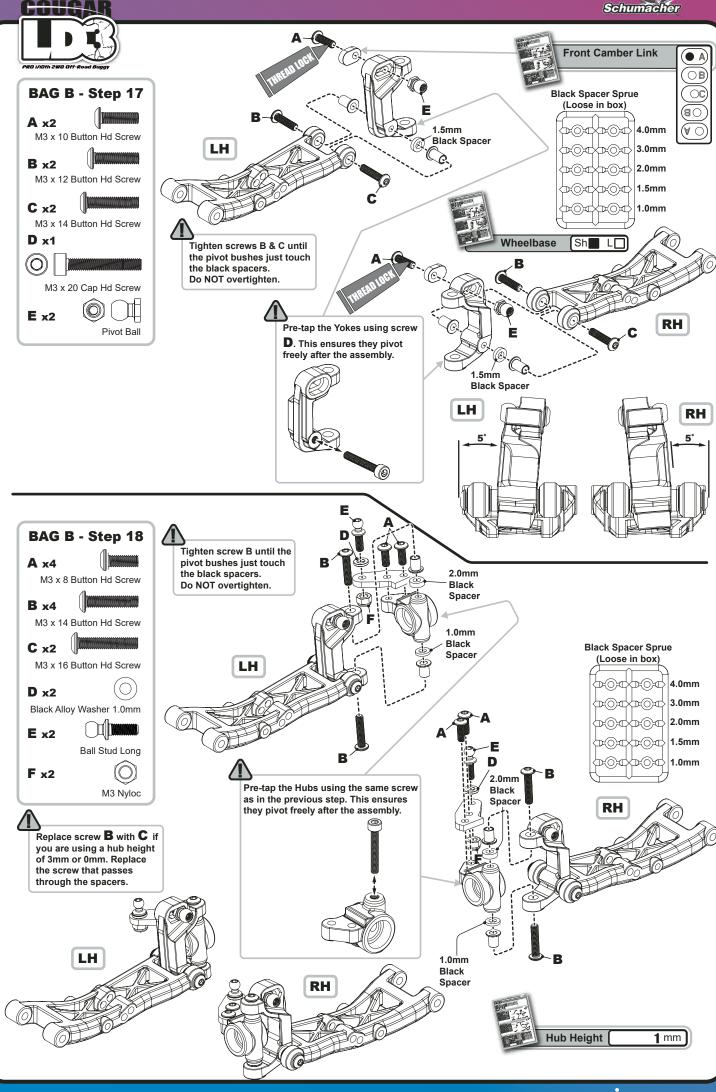
E x2

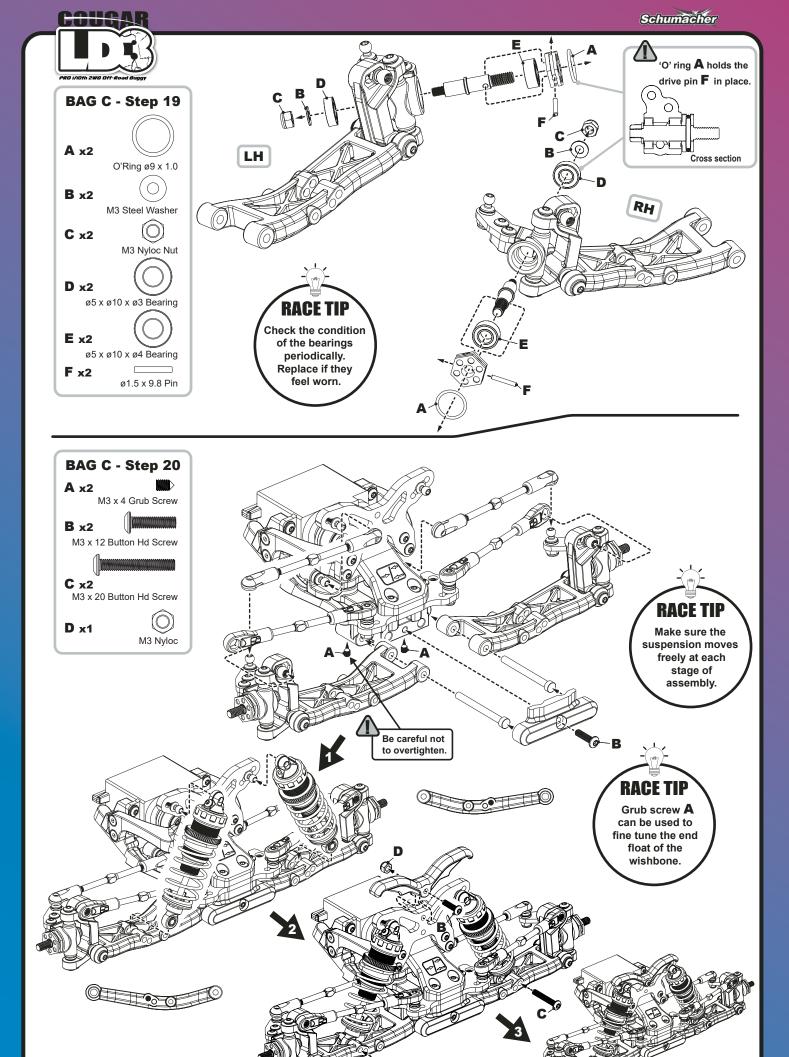






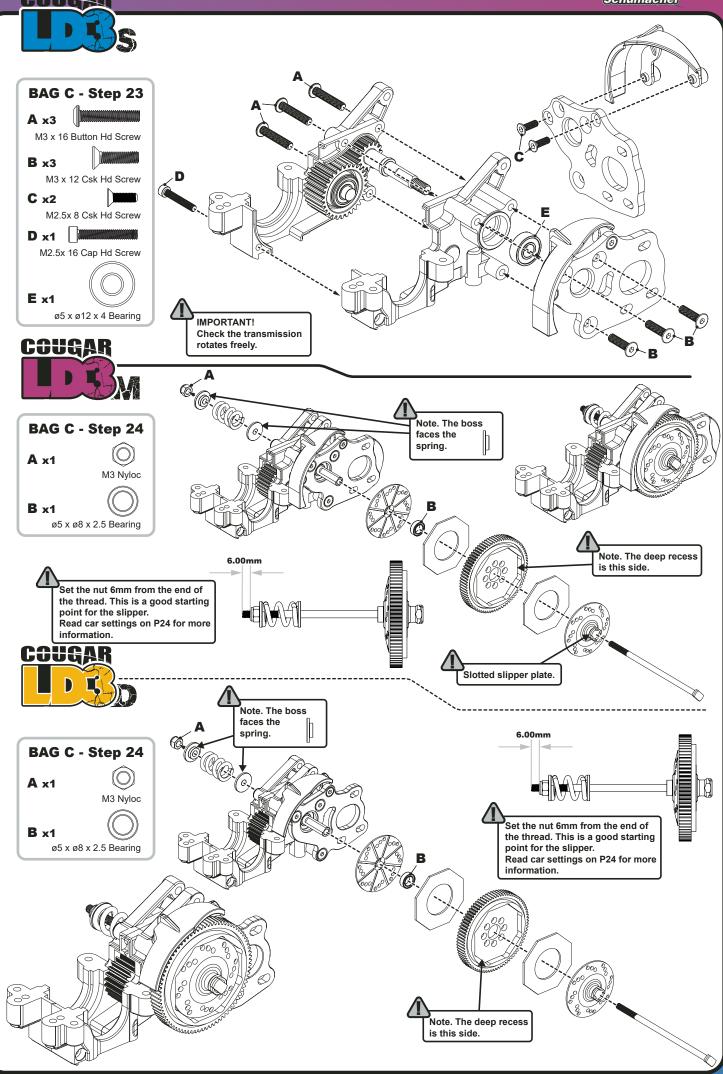


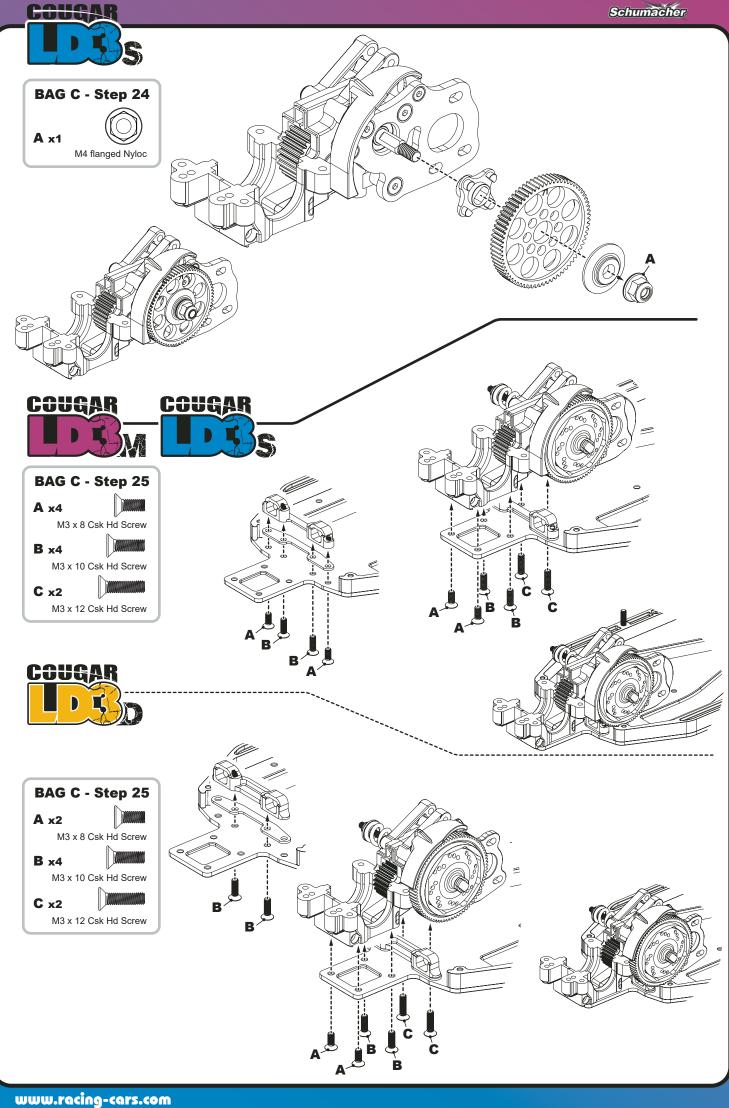




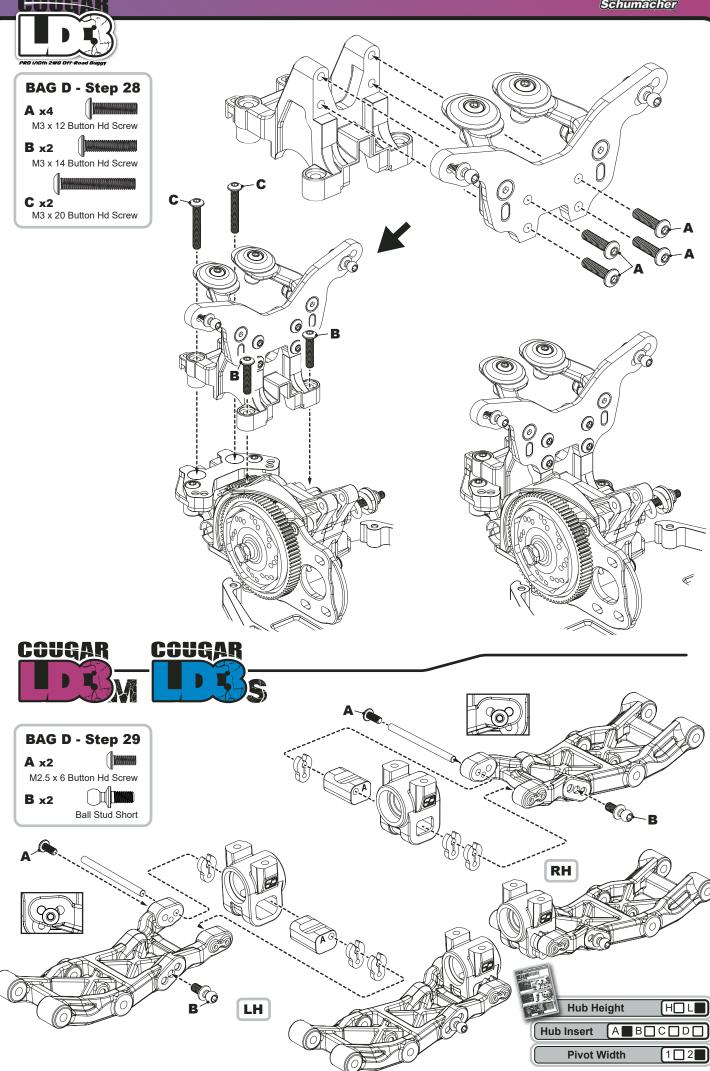
IMPORTANT! Check the transmission rotates freely.

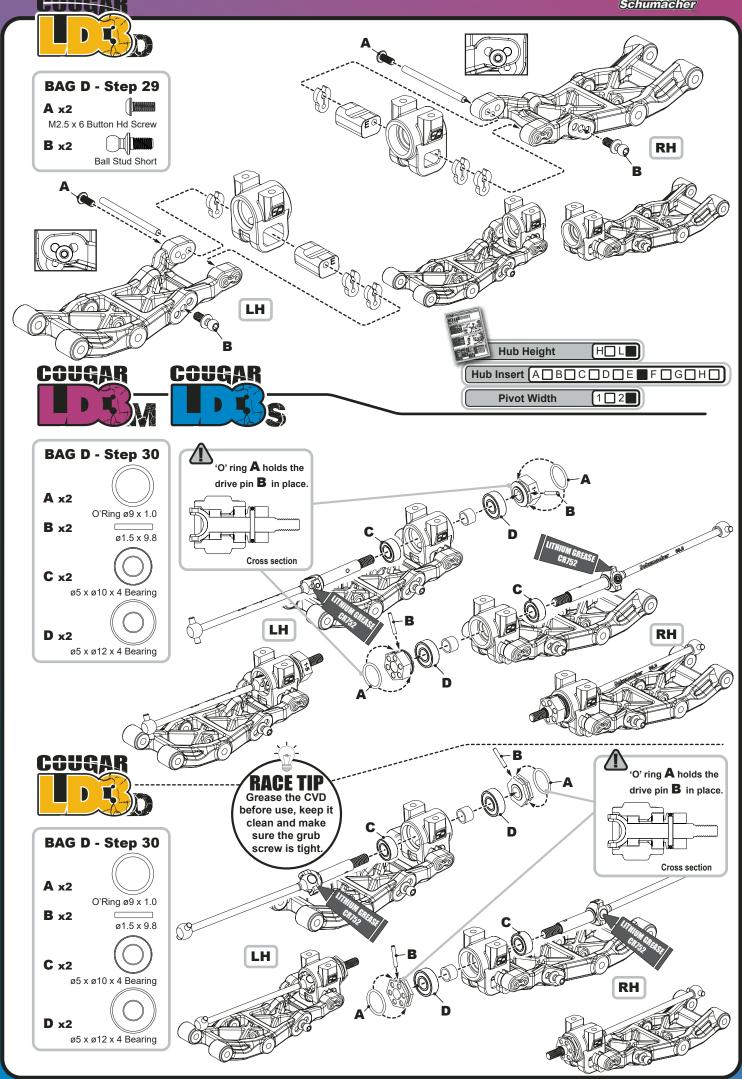
M3 x 20 Button Hd Screw

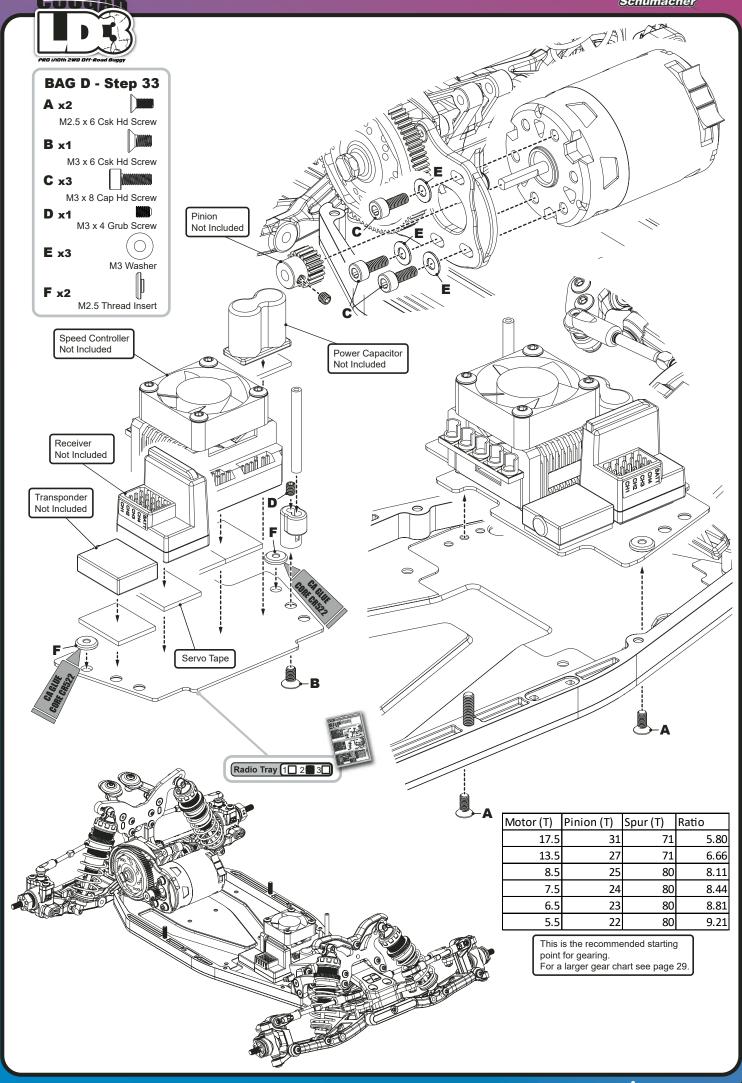


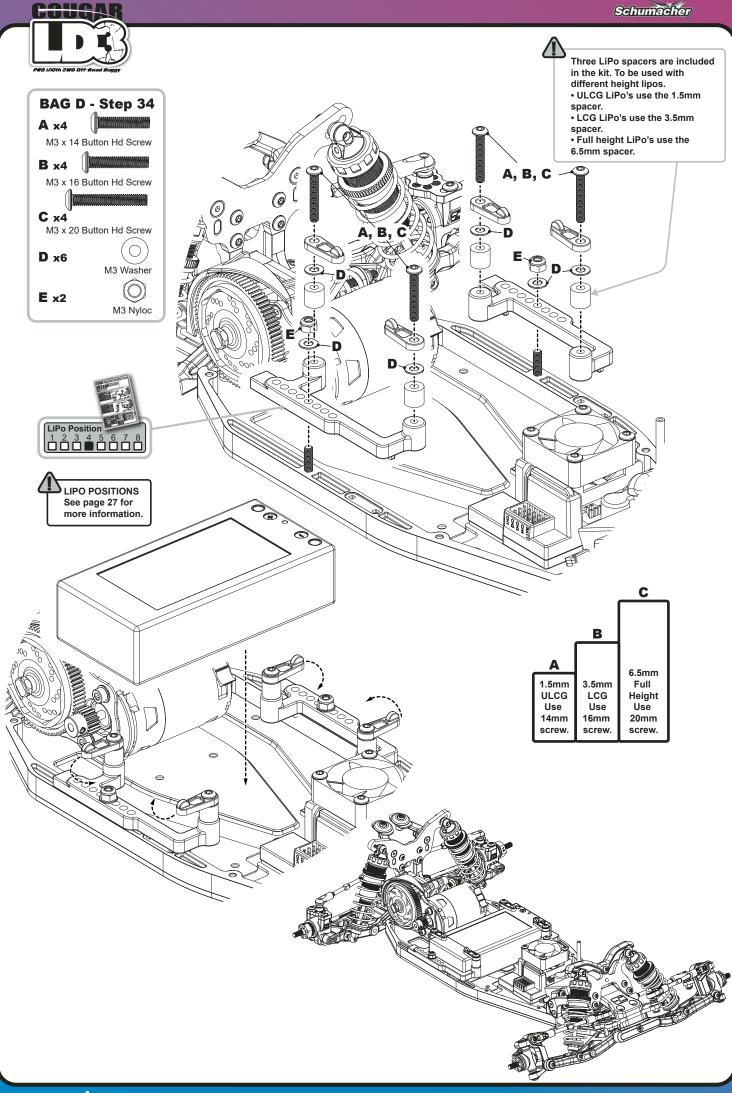


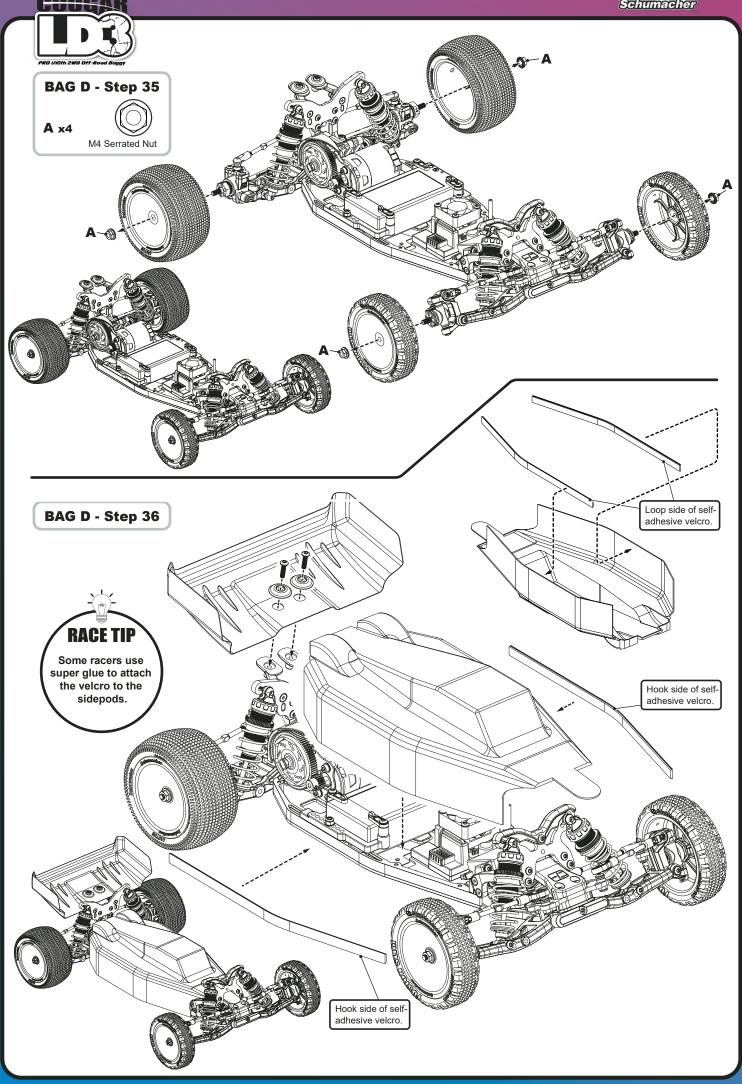
Shock Mount

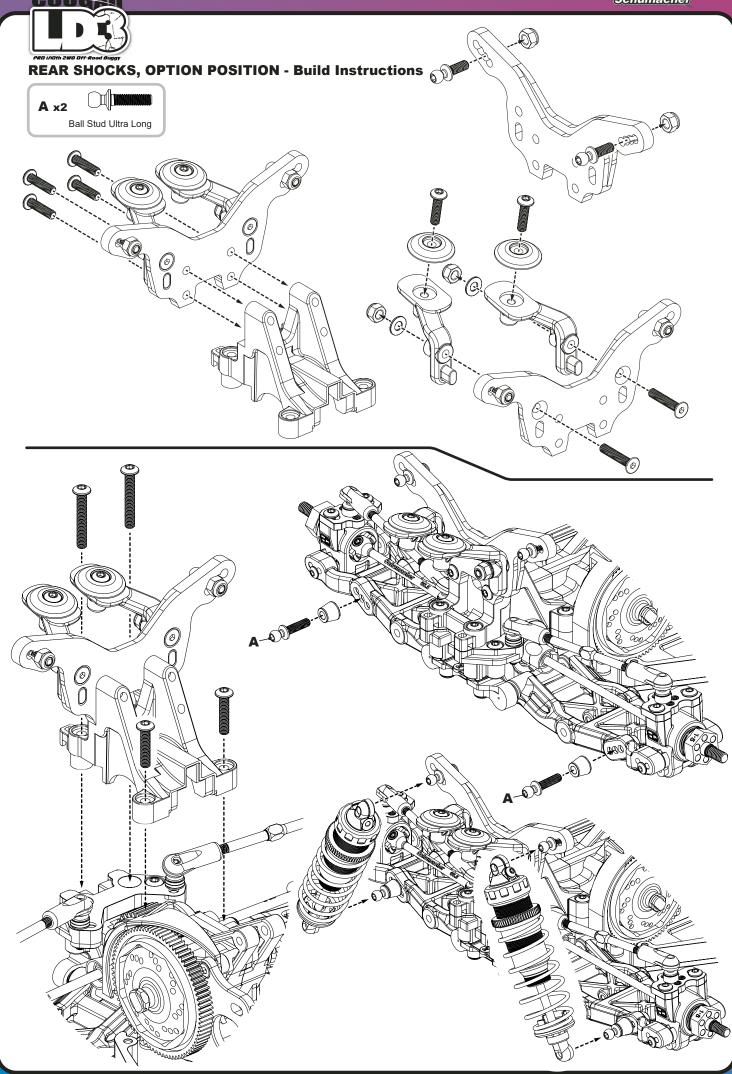














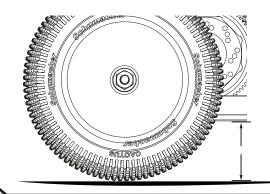
TRACK SETTINGS

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.

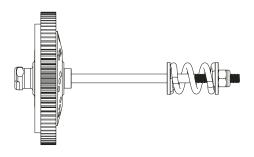
If the suspension needs to be softer or harder change the spring.



SLIPPER CLUTCH

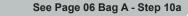
See Page 14 Bag C - Step 24

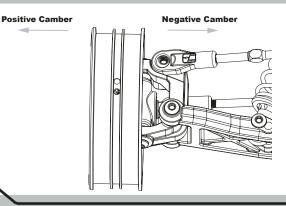
On most tracks it is best to start with the slipper on a **LOOSE** setting, and gradually tighten the spring tension until you achieve the most consistent drive away from turns without spinning the car or pulling wheelies. Make sure you still have enough drive when launching the car from the up ramps. 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 **U8502** this will give you a more durable slipper clutch. When using the three plate conversion, compress the slipper spring fully, before setting spring tension for desired amount. Always use a new spring when reverting back to a 2 plate plate slipper.



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.

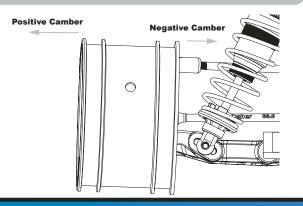




REAR CAMBER

See Page 06 Bag A - Step 10c

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. (Some drivers believe that adding slight positive camber where the tyre leans out at the top away from the car, will improve straight line traction on loose surfaces).

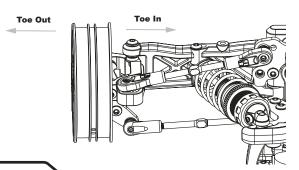




FRONT TOE

See Page 06 Bag A - Step 10b

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.



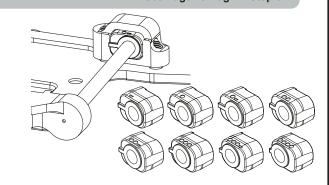
REAR TOE INSERTS

See Page 19 Bag D - Step 31

The base setting rear toe in is 3° this is a good compromise between forward traction and the car binding in the turns. This setting is fine for most tracks. You can alter the toe in by 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 3.0° on low grip dirt and wet astro.

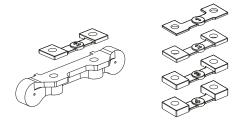
The eight blocks have indicators on top of them to show the amount of toe-in each one has. The range is 0.5° to 4.0° .



REAR ANTI SQUAT SPACERS

See Page 19 Bag D - Step 32

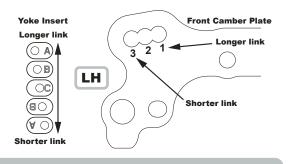
The kit build antisquat is set at 1°. This works best on most tracks, and with the included parts this can be increased or decreased. Generally less antisquat allows the suspension to work better over the large bumps and gives more power on steering. Increasing Anti-Squat will offer more intial steering and as the rear becomes stiffer, the rear will jump more.



FRONT CAMBER LINKS

See Page 09 Bag B - Step 15 & Page 10 Bag B - Step 17

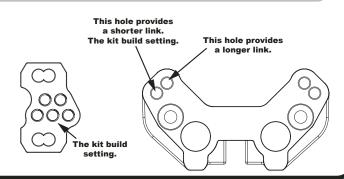
The kit front camber link position and length are what the team recommend for most tracks. Using a long front link makes the front of the car roll more and will give less steering reaction at high speed. It is also not quite as good on very bumpy tracks. We would recommend this on fairly smooth high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



REAR CAMBER LINK

See Page 19 Bag D - Step 31 & 32

The kit build rear camber link setting is the best compromise for most tracks. Lengthening the rear camber link will make the rear of the car roll more in the corners, and square up slower when accelerating away from tight turns, longer links are generally used on high grip tracks and shorter links on low grip tracks. Lowering the inside ball stud will give a similar result to shortening the link, and raising it will give a similar result to lengthening the camber link, but with less total effect.





ANTI-ROLL BARS (SWAY BARS) *Options

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 0.9mm 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.

BALL DIFFERENTIAL *Option

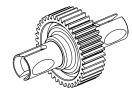
See Page 05 Bag A- Step 9

The dirt car comes with the ball diff in the kit.

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. Regurlarly re-apply the grease, packing lots of grease into the holes before inserting the balls. This increases the performance life of the diff. Run the diff in and then reset the tension. Only use the recommended greases.

U7698 - V3 Ball Diff Complete KD/Laydown/KR/Storm

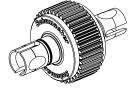


GEAR DIFFERENTIAL

See Page 04 Bag A- Step 9

The gear differential is included in the LD3M and LD3S kits.

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.



FRONT WHEELBASE OPTIONS

See Page 12 Bag C - Step 21

There are three ways of adjusting wheelbase.

1. The adjustment is provided by re positioning the 1.5mm washer on the outboard pivot.

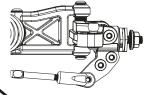
This only moves the hub carrier, it will not affect the angle of the shock absorber. Moving the hub carrier rearwards will give more traction at the expense of stability over rough sections of the track, and moving the hub carrier forwards will usually improve stability over the rough sections.

2. The front wishbones can be swapped left to right to alter the offset of the outer end of the wishbone. The standard 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 removing the chassis insert, the chassis length can be reduced by 5mm. This will improve agility and front end grip on high grip tracks.





Short Wheelbase

REAR WHEELBASE OPTIONS

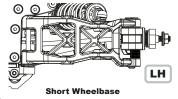
See Page 17 Bag D - Step 29

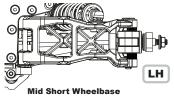
The Cougar LD3 has 4 wheelbase options at the rear, short, mid short, mid long and long.

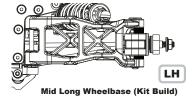
The adjustment is provided by re positioning the quick clips on the outer wishbone pin.

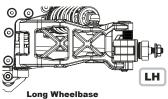
IO

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.











FRONT SHOCK MOUNT

See Page 09 Bag B - Step 16

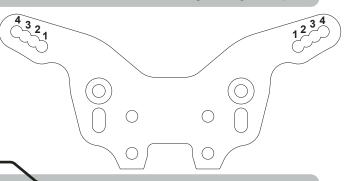
Hole 3 on the front shock mount is the most widely used position. Moving the shock to the outer position will make the car react faster and increase the initial steering response, it will however stiffen the suspension which may require an oil and spring change so that the cars suspension feels the same. 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.



REAR SHOCK MOUNT

See Page 16 Bag C - Step 27

Hole 2 on the shock mount gives best all round results. Moving the shock to the outer hole will stiffen the suspension and increase the reaction of the steering. The downside is less compliance over bumpy sections of the track. Moving the shock to the inboard position softens the suspension and will slow the steering reaction making the car smoother over the bumps. Moving the shock to these holes may require an oil or spring change to maintain the suspension performance. The rear shock mount is assembled to the front of the transmission as standard, moving the mount to the rear of the transmission makes the car less reactive but more stable.



ACKERMANN

See Page 07 Bag B - Step 12

The kit build setting of 2mm is the teams preferred position. If you run more shims/washers up to 3mm you will find that the initial steering will be slightly more aggressive but you will find mid to exit steering much smoother. You will generally gain only a small amount of initial steering but you will lose a greater amount of mid to exit steering.

Using less washers by changing from 2mm down to 1mm will give you more mid corner steering and grab more at this moment. Consider that It could make the buggy a little more difficult to drive and slow the buggys speed in the corner down.

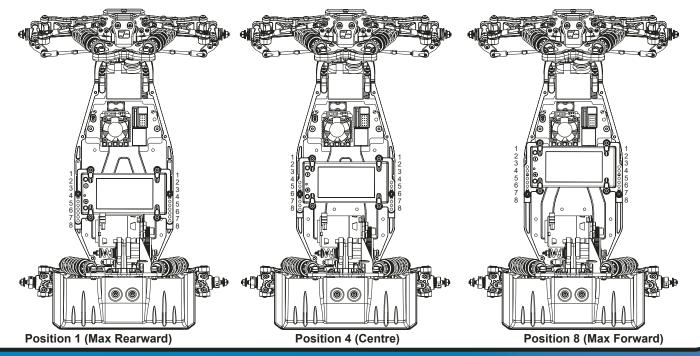
If running the Speed secret 'Alloy Centre Track Rod U8205' you will have the option for a lower ball stud threaded hole to connect the steering link to. Running the kit higher setting will make the car more reactive around initial steering throw. You will find this option hole makes the car easier to drive.

Optional 'A', 'B' and 'C' steering arms are another way of changing the ackermann. Arm 'A' gives the car more steering and is the most aggressive setting. Arm 'B' gives smoother initial steering. Arm 'C' offers the smoothest steering feel, making the car easy to drive even on twitchy, bumpy tracks.

LIPO POSITION

See Page 21 Bag D - Step 34

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).





DIFFERENTIAL HEIGHT

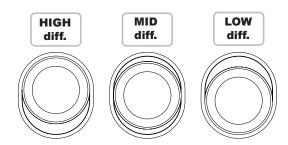
See Page 16 Bag C - Step 26

See Page 07 Bag B - Step 13

The base setting is Low 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 loosen side grip. On more open tracks a lower diff will help increase corner speed.

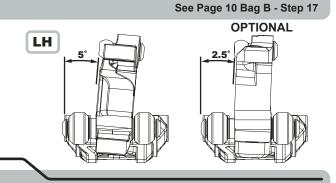


FRONT YOKE

The Cougar LD3 has a rake angle (kick up) of 25°. This should be added to the castor block angle to get the total castor angle

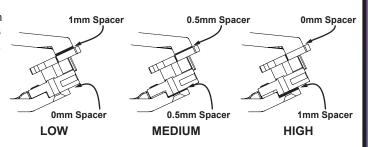
The standard car uses a 5° castor block making the standard car 30° in total. This can be decreased to 27.5° by using the optional 2.5° castor block.

The 30° angle will increase on power steering and stability. The use of less castor will increase initial turn in.



PIVOT BLOCK HEIGHT *Option

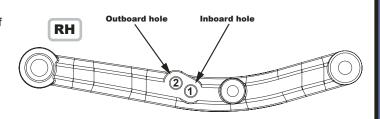
The Cougar LD3 provides the option to adjust the front pivot block height using spacers. The kit build pivot block position is high – 1mm spacer between the pivot block and bottom plate. The low position is achieved by removing the 1mm spacer from between the pivot block and bottom plate, and replacing 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 mid to 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).



FRONT WISHBONE SHOCK MOUNTING HOLE

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

Moving the shock out will support the front and keep the car flatter. The car will pick up a wheel on power, if the rear is too soft. Then consider using a softer front spring.

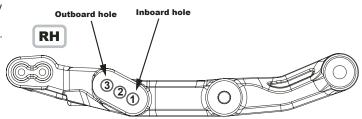


REAR WISHBONE SHOCK MOUNTING HOLE

The middle hole works best for most track conditions giving good traction and drive through the turns whilst maintaining good stability over the bumps. Moving to the outer hole on the wishbone will decrease traction but will allow the rear to free up more in the turns. This setting would usually only get used on high grip tracks and when moving the shock out you may have to change the oil and spring settings to get the same suspension feel. If the grip level is low and the track is bumpy, try the inside hole with harder springs and thicker oil. This should help improve the handling.

See Page 17 Bag D - Step 29

See Page 11 Bag C - Step 20



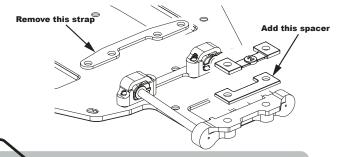


REAR HINGE PIN HEIGHT

The kit is built in the high setting, this offers the highest roll stiffness which gives the feeling of forward drive. We find it makes the car more responsive and you gain initial steering in this kit position.

Running the low hinge pin position you need to remove the thin strip from the RF strap and adding in the 1mm strip with the anti squat spacer between the RR strap and the housing. The lower position will give you more on power steering. The team have found in low grip conditions that to have drive with this setting you must stand the shock up on the tower, consider a harder spring when you use this setting too.

See Page 15 Bag C - Step 25 & Page 19 Bag D - Step 32



FRONT & REAR HEX WIDTH

See Page 14 Bag B - Step 20 & Page 18 Bag D - Step 30

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						
Part Numl	ber Hex Width	Car Width Change II				
U8619	4.00	3.5mm Narrower -2.				
U8429	4.50	3.0mm Narrower				
U7646	5.25	2.25mm Narrower7				
U7398	6.00	1.5mm Narrower 0				
U7402	6.75	0.75mm Narrower .75				
U7403	7.50	Standard Width 1.5				
COMMAR T	he I D3D has t	he U8619 hex on the				

The LD3D has the U8619 hex on the rear as the kit option. The width change column is for the LD3M and LD3S only.

FRONT HEX OPTIONS							
Part Number	Hex Width	Car Width Change	ID				
U8619	4.00	Standard Width	-2.0				
U8429	4.50	0.5mm Wider					
U7646	5.25	1.25mm Wider	75				
U7398	6.00	2.0mm Wider	0				
117/102	6.75	2 75mm Wider	75				

GEAR RATIO (2.53:1)

See Page 14 Bag C - Step 24

Pinion Gear

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
80	11.92	11.26	10.67	10.13	9.65	9.21	8.81	8.44	8.11								
78			10.40	9.88	9.41	8.98	8.59	8.23	7.90	7.60	7.32						
76					9.17	8.75	8.37	8.02	7.70	7.41	7.13	6.88	6.64				
71										6.92	6.66	6.42	6.20	6.00	5.80	5.62	5.45

Tooth Sum 97 Minimum to 105 Maximum

Use steel pinions when running on a dusty, gritty track. Use hard alloy pinions when running indoors on 'clean' surfaces e.g. carpet.

RADIO TRAY POSITION

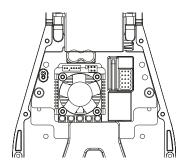
See Page 20 Bag D - Step 33

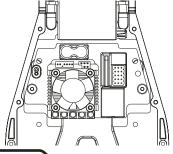
Similar to adjusting the LiPo position, the radio tray can be used to adjust the cars weight balance. Running Kit Build forward position (3), you will have maximum steering and a settled front end while jumping. Moving the tray further back is better for twitchy or low grip conditions.

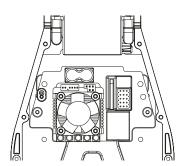
Forward Position (3)

Centre Position (2)

Rearward Position (1)







DRIVESHAFTS

Universal joint (U/J) driveshafts offer greater bump handling than the kit CVD driveshafts. They also offer more on power steering, suitable for carpet tracks.

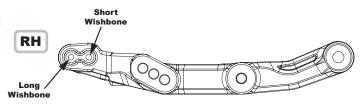


VARIABLE LENGTH REAR WISHBONES

See Page 17 Bag D - Step 29

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.



FRONT PIVOT BLOCK WEIGHT *Option

See Page 07 Bag B - Step 11

The team have found the alloy pivot block (U8211) to be their common setting, they have found that it gives good reaction from the front end and is more durable in tough conditions.

The brass option (U8212) will add a lot of weight to the front and slow down direction change. It offers also a safe feeling when running on high grip astro but will slow down the response of the front end which can in some cases benefit the driver on twitchy high grip tracks. If you run in low grip you should run the Alloy option as this will keep the cars balance more in the middle of the car. The brass is most commonly used on carpet as it helps to keep the nose of the truck down.

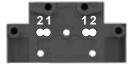


PIVOT BLOCK STEERING ARM MOUNTING

See Page 07 Bag B - Step 11

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.

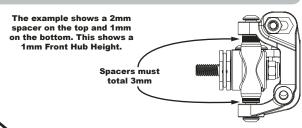


FRONT HUB HEIGHT

See Page 10 Bag B - Step 18

Changing the spacers under and above the hub will change the axle height.

Raising the axle will increase on power steering, decrease initial steering and give a safer car under braking. Lowering the axle will increase initial steering. If the car is breaking traction out of corners it's a sign of the axle being too high or too much castor angle.



REAR HUB HEIGHT

See Page 18 Bag D - Step 29

Hub Height

+0.5mm

+1.0mm

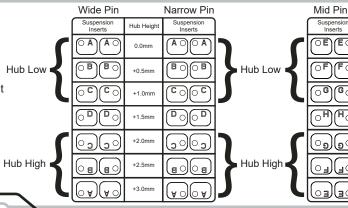
+2.0mm

+3.0mm

The kit hub position is 0.0mm (Insert A or Insert E) hub height.

Decreasing hub height will add some side grip and make the car feel like it rolls more.

If you increase the height the car will feel like it rolls less and has less side bite. This will also help the car drive out of the corner. When using suspension inserts that give more than +1.0mm hub height, shock length and shock stroke must be corrected. To correct the stroke, add an O'Ring to the shock shaft above the spring seat. The length of the shock should be increased by unscrewing the shock socket by the difference between the chosen hub height and the kit setting.



TOE-IN STRAP WEIGHT Front *Option

Using the optional U7665 Brass FR Strap will add approximately 12g. This will offer more traction, particularly useful in lower grip conditions.





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.





SPARES LISTS

Chassis Parts

U119	Aeriai Tube - Pack 4
U3691	Servo Spacer - SV/2,SVR,KR,KF/2,KD,KC,LD\2,ST
U4689	Steering Pivots Short-K2,KF2,Mi6/evo,KD/C,LD/2,ST

U4773 Aerial Mount

U7339 Front Carpet Protector - LD/2,L1/EVO/R
U7952 Wing Mount Mouldings - LD2,L1 EVO/R
U7970 M2.5 Thread Insert pk10 - L1 EVO/R,ST,LD2

U8051 Radio Plate S2 - Storm ST,LD2

 U8187
 Top Plate - LD2

 U8188
 Bottom Plate - LD2

 U8190
 Chassis Inserts - LD2

 U8194
 LiPo Mouldings - LD2

U8195 Servo Horn Fixed Mouldings - LD2

U8198 Centre Track Rod - LD2 U8560 Steering Link - ST2 U8609 Alloy Chassis - LD3 U8610 Side Pod (pr) - LD3 U8615 S2 Front Shock Mount - LD3 S2 Rear Shock Mount - LD3 U8616 U8617 S2 Front Link Mount - LD3 C/F Chassis - LD3 U8632 U8636 Manual - LD3 U8643 Front Pivot Block - LD3 U8644 Front Bumper - LD3

Bodys & Decals

Aerox Wing CAT L1/EVO/R,LD/2 - 1.0mm AX005 AX019 Aerox Front Wing - LD2 Aerox Wing CAT L1/EVO/R,LD/2 Carbon - 1.5mm AX020 AX021 Aerox Wing CAT L1/EVO/R,LD/2 Black - 1.5mm AX022 Aerox Wing CAT L1/EVO/R,LD/2 White - 1.5mm Aerox Trident Wing 1.0mm AX037 JConcepts-B6.3/B74.1 Rear Wing, 2pc JC0168 JC0169 Aero B6.3/B74.1 Rear Wing-Short Chord, 2pc JC0173 JConcepts-Aero S-Type B6.3/B74.1 Wing, 2pc JC0181 JConcepts-Aero S-Type 7inch Rear Wing, 2pc JC0197 JConcepts Carpet Astro High Clearance Rear Wing JC0432 Cougar LD3 Body JC0432L Cougar LD3 Body - Lightweight Carpet/Astro High-Clearance 7" Rear Wing JC0501 Carpet/Turf/Dirt, 6.5" Wing - pre-cut Carpet/Turf/Dirt, 7" Wing - pre-cut JC0503 JC0504 Klinik RC - Max Flow Wing (2) KRC-MFWING PCB007 Penguin Emperor Wing - 1mm PCB010 Penguin King Wing - 1mm PCB016 Penguin Rockhopper Wing - 1mm PCB031 Penguin Royal Wing - 1mm Schumacher Decal Sheet - Black - pk2 U8586

Schumacher Decal Sheet - Neon Blue - pk2

Schumacher Decal Sheet - Neon Pink - pk2

Schumacher Decal Sheet - Neon Green - pk2

Schumacher Decal Sheet - Neon Orange - pk2

Suspension

Decal - LD3

U8587

U8588

U8589

118590

U8637

U8548

U8550

U8551

U3708 Kwik Clips 2.4 x 2.0mm (pk4) - 2WD/4WD WishbonePivot Spheres pk4 - Cougar,ST U3729 U4224 Turnbuckle Adjuster HTT - 60mm - pr U4274 Pro Ball Stud Short - pk4 U4275 Pro Ball Stud Long - pk4 Turnbuckle HT - 52mm - pr U4299 U4700 Pro Ball Stud - Ultra Long - (pk4) U4704 Fluted Ball Grippa - Grey (pk8) U4707 Short Ball Grippa - Grey (pk8) U4775 Pivot Ball 5.5mm - (4pcs) U4850 Low Ball Stud pk4 - A1,A2,L1/EVO/R,E1-E4 U7083 Rear Strap Spacers - Cougar KD,KC,L1/EVO/R,LD/2,ST Radius Arms pr - L1/EVO/R,LD2 U7337 U7628 Rear Toe-In Inserts 8prs - LD/2,L1 EVO/R,ST U7634 Strap Spacers 2pcs - LD/2,ST Rear Link Mount - LD/2,ST U7636 U7644 Alloy FR Strap - LD/2,ST U7649 Alloy Shock Standoff pr - LD/2 U7672 Turnbuckle Adjuster HTT - 56mm - (pr) U8200 Front Inboard Pivot Pin - LD2 (pr) U8204 S2 Front Pivot Block Spacers - LD2 Rear Hub Carrier - L1R (pr) U8296 U8297 Alloy Rear Hub Plate - L1R (pr) Rear Hub Carrier Inserts - L1R (4 prs) U8311 5.5mm Long Socket - L1R (4 pcs) U8400 U8545 Front Hubs (pr) - ST2 U8547 Wishbone Pivot Bush (4pcs) - ST2

Yoke Pivot Bush (4pcs) - ST2

S2 Front Steering Arms (pr) - ST2

Front Yoke Inserts (3 sets) - ST2

U8552 Front Yokes; 5 Degree - ST2 U8559 5.5mm Pro Ball Stud Extra Long (4pcs) U8607 Front Axle (pr) - LD3 U8611 Alloy Rear Suspension Strap - LD3 U8612 Rear Wishbones Med Flex - LD3 U8613 Rear Outboard Pivot Pin (pr) - LD3 Rear Inboard Pivot Pin (pr) - LD3 U8614 U8625 Alloy FR Strap Layback - LD3 U8629 Rear Hub Carrier Inserts E-H - LD3 U8634 Front Wishbones Med Flex (pr) - LD3

TransmissionU2761 Diff Shims; 10x12x0.2 (pk8)

U3311 Axle Spacers 5x7 2prs - Off Road U3364 Slipper Pad; PTFE Octagon pr - Off Road Driveshaft; Pivot; Pin; Screw-Mi4-Mi6/SVR, KR, LD/2, ST U3834 Diff Gear; 38T CNC - SV2,SVR,KR Gear Diff Gear Set - Off Road,FT 114004 U4176 U4386 Gear Diff Output - KR,LD/2,ST U4674 Slipper Spring Bush - Off Road U7065 Slipper Spring Twin Plate - 2WD/4WD U7066 Diff Output Pin pr - KD,KC,L1/EVO/R,ST,LD2 U7068 Eccentrics 2 prs - KC,L1/EVO/R,LD/2,ST U7403 Alloy Wheel Hex 7.5mm (+1.5) pr LD/2,L1/EVO/R,ST U7615 80T 2,3,4 Plate Slipper Spur Gear

 U7617
 Right Hand Lower Trans - LD/2,ST

 U7618
 Left Hand Lower Trans - LD/2,ST

 U7619
 Upper Trans Forward - LD/2,ST

 U7620
 Upper Trans Rearward - LD/2,ST

 U7622
 Idler Shaft - LD/2,ST

 U7622
 Idler Shaft - LD/2,ST

 U7629
 Finger Guard - LD/2,ST

 U7645
 Alloy Motor Plate - LD/2,ST

 U7662
 CVD Rear Axle - LD/2,ST

 U7671
 Lockout 71T Spur Gear - LD/2,L1 EVO/R,ST

 U7692
 V3 Diff Washers + Balls - KR,KD,LD/2,ST

 U7693
 V3 Diff Male Washer Carrier - KR,KD,LD/2,ST

 U7694
 V3 Diff Female Washer Carrier - KR,KD,LD/2,ST

 U7695
 V3 Diff Thrust Race - KR,KD,LD/2,ST

 U7695
 V3 Diff Thrust Race - KR,KD,LD/2,ST

 U7696
 V3 Diff T-Nut Inserts pr - KR,KD,LD/2,ST

 U7697
 V3 Ball Diff Service Kit - KR,KD,LD/2,ST

 U7698
 V3 Ball Diff Complete - KR,KD,LD/2,ST

 U7980
 0.5mm 20T Bevel Gear Shim - L1 EVO/R,ST,LD2

 U8270
 Driveshaft Assembled CVD V2 - LD,LD2 (pr)

U8271 CVD Rear Bone V2 - LD,LD2
U8395 2 Gear Diff Pin - LD/2 L1/EVO/R
U8399 Outer Slipper Plate - L1R
U8433 Gear Diff Rebuild Kit - L1R
U8579 Slipper Lockout Layshaft - ST2
U8580 Slipper Lockout Washer - ST2
U8581 Slipper Lockout Washer - ST2

U8603 Driveshaft Assembled CVD Layback (pr) - LD3
U8618 Moulded Idler Gear - LD3

U8619 Alloy Wheel Hex 4mm (-2) (pr) - LD3 U8620 Alloy Layshaft - LD3 U8621 Layshaft Bolt - LD3

U8622 LH Lower Trans Housing Layback - LD3
U8623 RH Lower Trans Housing Layback - LD3
U8624 Alloy Motor Mount Layback - LD3

U8626 Finger Guard Layback - LD3
U8627 CVD Rear Bone 69.5 Layback (pr) - LD3
U8628 CVD Rear Axle Layback (pr) - LD3
U8630 Moulded Idler Gear Layback - LD3

U8630 Moulded Idler Gear Layback -U8631 Outer Slipper Plate - LD3 U8633 C/F Motor Plate - LD3 U8635 Gear Diff Mouldings - LD3 U8646 Gear Diff Complete - LD/2/3

Bearings & Balls

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)
U3855 Ball Bearing - 5x10x3 Open - (pr)
U4318 Ball Bearing - 5x10x3 Red Seal - (pr)
U8274 Ball Bearing 5x12x4 Red Seal (pr)

Big Bore Shocks & Springs

RI-29101 Ride Shock Air Remover - Long Big Bore Shock; Rebuild Kit - Off Rd pk4 U3667 Rod End Ball + Socket pr - Cougar U3706 U4110 Off Road Shock O Ring 1/8 Silicone Pk 8 U4371 Big Bore Shock Adjusting Collar (Black) - pr U4451 Big Bore Shock Collar O-ring - pk4 U4702 Shock Seal Housing V2 - Big Bore pr Off Road Alloy Med Shock Body pr - LD/2,L1/EVO/R U7388 Alloy Long Shock Body pr - LD/2,L1/EVO/R,ST U7389 U7431 Rod End Socket (Dia 5.5mm) (pk4) U7625 Spring Hanger Low pr - LD/2,L1 EVO/R



CR720 Ti Pro Ball Studs - Ultra Long - pk 2 KRC-INSERTS Klinik RC M3 Thread Repair Inserts (10) Klinik RC M3 Thread Repair Kit with Drill Bit (10) KRC-M3REPAIR KRC-TBLD Klinik RC Cougar Laydown Ti Turnbuckle Set Big Bore Shocks & Springs Cont... KRC-TBLD2 Klinik RC Cougar LD2 - Ti Turnbuckle Set Shock Piston Support pr - LD/2,L1 EVO/R,ST U3348 Gear; CNC 80t Spur - Slipper Tapped Shock Shaft; Med pr - LD/2,L1 EVO/R Ceramic Bearing - 4x8x3 Shield - (pr) U7632 113386 U7728 M2.5x4 Button Screws (pk10) U3499 Roll Bar Blocks - pk4 U8380 Moulded Shock Pistons and Bushes-L1R-16 pcs U3670 Big Bore Piston; 2 Hole White 1.5 (pr) U8426 Tapped Shock Shaft; Long (+1.2mm) - L1R (pr) U3770 Big Bore Piston; 3 Hole White 1.5 Rounded (pr) Moulded Shock Top (pr) - ST2 118555 U3790 Gear; CNC 76T Spur - Slipper U8652 Front Shock Set - LD3 U4226 Gear; CNC 71T Spur - Slipper Rear Shock Set - LD3 U8653 U4299 Turnbuckle HT - 52mm - pr CR177 CORE RC Big Bore Spring Tuning Set; Med 7prs U4344 Ceramic Bearing - 5x8x2.5 Shield - (pr) CR178 CORE RC Big Bore Spring Tuning Set; Long 7prs Big Bore Pro Bush - Off Road U4508 CR179 Big Bore Spring; Med White - 2.8 pr U4701 Big Bore Piston - 3 Hole Black 1.6 Rounded (pr) CR180 Big Bore Spring; Med Red - 3.1 pr U4726 Pro Ball Bearing - 5x10x3 Shield - (pr) CR181 Big Bore Spring; Med Green - 3.4 pr U4890 Alloy Spring Seat - Off Road - pr CR182 Big Bore Spring; Med Blue - 3.7 pr U4946 Pro Ball Bearing 5 x 10 x 4 sealed - pr Big Bore Spring; Med Black - 4.0 pr CR183 U4999 Front Brass Weight 20g - KD,KC,LD/2,ST Big Bore Spring; Long White - 1.8 pr CR184 U7084 Shock Top Ring (pr) - Cougar KD, KC, LD/2, ST, L1R Big Bore Spring; Long Red - 2.0 pr CR185 U7085 Shock Top (pr) - Cougar KD, KC, LD/2, ST, L1R CR186 Big Bore Spring; Long Green - 2.2 pr U7086 Big Bore Piston - 2 Hole Black 1.60 (pr) CR187 Big Bore Spring; Long Blue - 2.4 pr Big Bore Piston - 2 Hole Red 1.70 (pr) U7087 CR188 Big Bore Spring; Long Black - 2.6 pr U7090 SPEED PACK - M4x20 Grub Screw (pk4) CR635 Big Bore Spring; Med Orange - 4.3 pr U7318 Titanium Turnbuckle - 53mm - Silver - pr CR636 Big Bore Spring; Med Yellow - 4.6 pr Titanium Turnbuckle - 60mm - Silver - pr Alloy Wheel Hex 6mm (0) pr - LD/2,L1/EVO/R,ST U7319 Big Bore Spring; Long Orange - 2.8 pr CR699 U7398 Big Bore Spring; Long Yellow - 3.0 pr CR700 U7400 Titanium Low Profile M4 Serrated Nut (pk4) CR808 High Response Spring; Long Red - 2.0 lb/in (pr) U7402 Alloy Wheel Hex 6.75mm (+.75) pr LD/2,L1/EVO/R,ST High Response Spring; Long Green - 2.2 lb/in (pr) CR809 U7404 Alloy Radius Arms pr - L1/EVO/R,LD2 CR810 High Response Spring; Long Blue - 2.4 lb/in (pr) U7433 Big Bore Piston Blank Tapered pr-LD/2,L1/EVO/R,ST **CR811** High Response Spring; Long Black - 2.6 lb/in (pr) U7434 Alloy Med Shock Body Kashima pr-LD/2,L1/EVO/R CR812 High Response Spring Tuning Set Long 4prs U7435 Alloy Long Shock Body Kashima pr-LD/2,L1/EVO/R,ST U7616 78T 2,3,4 Plate Slipper Spur Gear CNC Diff Cross Pin - LD/2,L1 EVO,ST,FT 117624 U7631 Piston; 3 hole - 13mm - Red pr - LD/2,ST **Hardware** U7646 Alloy Wheel Hex 5.25mm (-.75) pr LD/2,L1/EVO/R,ST CR024 CORE RC - Serrated M4 Steel Wheel Nut pk4 U7651 SPEED PACK - O Rings; Various Alloy Rear Link Mount V2 - LD/2,ST U1960 U7658 Rear Roll Bar Conversion - LD/2,ST U3021 SPEED PACK - M3x6 Csk Hd - (pk10) SPEED PACK - M3x8 Csk Hd - (pk10) U7659 ARB Mounting Collar - LD/2,L1 EVO/R,ST U3022 U7660 Rear Roll Bars 5pcs - LD/2,ST U3023 SPEED PACK - M3x10 Csk Hd - (pk10) U7664 Brass Rear Weight (15g) pr - LD/2,ST SPEED PACK Alloy Spacers - M3x7mm 0.5;1;2mm (pk18) U3131 Brass FR Strap (12g) - LD/2,ST U7665 U3753 SPEED PACK - M2.5x6 Button Hd pk8 Titanium Turnbuckle - 56mm - Silver - (pr)
Titanium Turnbuckle - 76mm - Silver - (pr) U7673 U3754 SPEED PACK - M2.5x10 Csk Hd pk8 U7674 U4124 SPEED PACK - Shims 5 x 7 x 0.4mm - pk6 Brass Radio Plate (30g) - LD/2,ST U7678 SPEED PACK - Pinion Grub Screw Set pk10 U4210 U7725 Pro-Ball Bearing 10x15x4 Sealed - (pr) U4220 'O' Ring 9.0x1.0 (pk10) Pro-Ball Bearing 4x8x3 Sealed - (pr) U4241 SPEED PACK - M3 Alloy Nyloc Nuts - Black - pk10 U7730 SPEED PACK - Alloy Black M3 Washers - 18pc U7839 C/F LiPo Swivel pr - Mi7,FT,Mi8,FT8 U4314 U7856 Turnbuckle Adjuster HTT - 71mm (pr) SPEED PACK - M3 Nyloc Nut Steel - Black (10pcs) U4650 U7857 Titanium Turnbuckle - 71mm - Silver (pr) U4662 SPEED PACK - M3x4 Grub Screw - Cone Point (10pcs) U7868 C/F Left Hand Lower Trans - LD/2,ST U4862 Black Alloy Washers 0.50mm (pk12) U7869 C/F Right Hand Lower Trans - LD/2,ST U7104 SPEED PACK - M3x8 Button Hd (pk10) U7975 Alloy Eccentric Mid - pr KC,KD,LD/2,L1/EVO/R,ST U7105 SPEED PACK - M3x10 Button Hd (pk10) Alloy Eccentric Hi-Lo - pr KC,KD,LD/2,L1/EVO/R,ST U7976 U7106 SPEED PACK - M3x12 Button Hd (pk10) U7982 Alloy Spring Seat High - Off Road (pr) U7107 SPEED PACK - M3x16 Button Hd (pk10) U8196 Servo Saver Mouldings - LD2 U7108 SPEED PACK - M3x20 Button Hd (pk10) U8197 U7112 SPEED PACK - M3x8 Cap Hd (pk10) Servo Saver Kit - LD2 SPEED PACK - M3x12 Csk Hd (pk10) U8205 Alloy Centre Track Rod v2 - LD2 U7122 U8207 Alloy Pivot Block Spacers 0.5mm - LD2 SPEED PACK - M3x16 Csk Hd (pk10) U7123 U8211 Alloy Pivot Block - LD2 U7124 SPEED PACK - M3x20 Csk Hd (pk10) U8212 Brass Pivot Block - LD2 U7329 SPEED PACK M2.5 x 6 CSK (pk4) U8215 Front Roll Bar Wires (4) - LD2 U7610 SPEED PACK - M2.5x16 Cap Hd (pk10) Front Roll Bar Kit - LD2 U8216 U7611 SPEED PACK - M3x14 Button Hd (pk10) Alloy LiPo Swivel - Mi8,L1R,FT8 (pr) U8334 U7677 SPEED PACK - M2.5x8 Csk Hd (pk10) U8381 Alloy Wing Mount - L1R U7689 M3 Brass Inserts - pk10 U8389 Alloy Rear Hub Carriers (pr) - L1R U7699 Foam Strips 40 x 6 x 2mm thk - pk20 Alloy Diff Complete V2 - KR,KD,LD/2,ST M3 Steel Washers (pk10) U8396 U7707 M3 Black Alloy Washers 0.75mm (pk10) U8397 Alloy Diff Conversion V2 - KR,KD,LD/2,ST U7709 M3 Black Alloy Washers 1.00mm (pk10) U8429 Alloy Wheel Hex 4.5mm (-1.5) pr - L1R U7710 U8438 Alloy Lipo Mounts Conversion - LD2 (pr) M3 Black Alloy Washers 2.00mm (pk10) U7711 U8502 3 Plate Slipper Clutch Conversion - L1R U7712 M3 Black Alloy Washers 3.00mm (pk10) U8543 Alloy Wheel Hex 7.5mm (+1.5) Black pr - ST2 U7900 SPEED PACK Needle Roller 1.5x9.8 (pk10) U8574 Alloy 5 Deg Yokes (pr) - ST2 U8273 M4 Steel Nyloc Flanged Nut (4 pcs) Alloy 2.5 Deg Yokes (pr) - ST2 Alloy Front Hub Carriers (pr) - ST2 U8575 Plastic Washer Set 1,1.5,2,3,4mm (20 pcs) U8275 U8576 U8536 M3x4 Grub Screw Cup Point - (pk10) Alloy 0.5mm Rear Strap Spacers - ST2 U8578 U8585 Lockout 66T Spur Gear - ST, LD/2 U8608 Front Wishbones Stiff (pr) - LD3 **Option Parts** U8638 Alloy Front Link Mount - LD3 U8639 Ti Front Axle (pr) - LD3 U8640 Front Wishbones Carbon Filled (pr) - LD3 Rear Wishbones Carbon Filled (pr) - LD3 U8648

U8649

U8650

U8651 U8654

U8655

U8656

Rear Wishbones Stiff (pr) - LD3

C/F Front Shock Mount - LD3 C/F Rear Shock Mount - LD3

S2 Steering Arm A - LD3

S2 Steering Arm B - LD3

S2 Steering Arm C - LD3

AX009	Aerox Alloy Servo Arm - Short 251 Futaba
AX010	Aerox Alloy Servo Arm - Short 23T KO/Sanwa
CR035	CORE RC - Serrated Alloy M4 Nuts; Blue pk 4

Ontion Parts Cont...

CR036	CORE RC - Serrated Alloy M4 Nuts; Violet pk 4
CR196	CORE RC - Serrated Alloy M4 Nuts - Black - pk4
CR280	Ti Pro Ball Studs - Short - (pr)

CR282 Ti Pro Ball Studs - Long - (pr) CR304 Titanium Wheel Nuts M4 - pk4



OPTIONS PARTS



U7031 - Socket Grey 8mm (pk4)

U7658 - Rear Roll Bar Conversion U7659 - ARB Mounting Collar U7660 - Rear Roll Bar Set (5pcs)



U8211 - Alloy Pivot Block (10g)



U8212 - Brass Pivot Block (41g)



U4890 - Alloy Spring Seat - Off Road - pr



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

U8207 - Alloy Pivot Block Spacers 0.5mm



U7400 - Titanium Low Profile M4 Serrated Nut



U7665 - Brass FR Strap (12g)



U8578 - Alloy 0.5mm Rear Strap Spacers - ST2



U8396 - Alloy Gear Diff Complete V2





U8216 - Front Roll Bar Kit - LD2



U8205 - Alloy Centre Track Rod v2 - LD2



U8197 - Servo Saver Kit - LD2



U7839 - C/F LiPo Swivel pr - Mi7,FT,Mi8,FT8 U8334 - Alloy LiPo Swivel - Mi8,L1R,FT8 (pr)



U7975 - Alloy Eccentric Mid - (pr) U7976 - Alloy Eccentric Hi-Lo - (pr)



U8574 - Alloy 5 Deg Yokes (pr) - ST2 U8575 - Alloy 2.5 Deg Yokes (pr) - ST2



U7404 - Alloy Radius Arms pr - L1/EVO/R,LD2



OPTIONS PARTS





U8429 - Alloy Wheel Hex (-3.00) - (pr) U7646 - Alloy Wheel Hex (-2.25) - (pr) U7398 - Alloy Wheel Hex (-1.50) - (pr) U7402 - Alloy Wheel Hex (-0.75) - (pr) U8543 - Alloy Wheel Hex (0.00) - (pr)



U7678 - Brass Radio Plate (30g)



U7434 - Alloy Med Shock Body Kashima Coat (pr)



U7868 - C/F Left Hand Lower Trans Housing U7869 - C/F Right Hand Lower Trans Housing





U8381 - Alloy Wing Mount - L1R



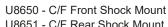
U7624 - Diff Cross Pin - LD/2,L1 EVO,ST,FT U8090 - Steel Diff Pins (pr)



U8438 - Alloy Lipo Mounts (pr)

U4999 - Front Brass Weight 20g - KD,KC,LD/2,ST







U8640 - Front Wishbones Carbon Filled (pr)

U8608 - Front Wishbones Stiff (pr)

U8648 - Rear Wishbones Carbon Filled (pr)

U8649 - Rear Wishbones Stiff (pr)



U8638 - Alloy Front Link Mount

U8639 - Ti Front Axle U8651 - C/F Rear Shock Mount



U7614 - Driveshaft Assembled U\J pr - LD/2

U8431 - Rear Driveshaft - L1R (pr)

U8606 - Driveshaft Assembled UJ Layback (pr) - LD3



Driver:	Date:	Event/Track:	
Qualify:	Final:	Best Lap:	

TRACK TYPE							
Grip Leve	High Medium Low						
Туре	Tight Open Mixed						
Condition	n						
Surface (Clay☐ Long Astro☐ Carpet☐						
	Grass ☐ Short Astro ☐ Mixed ☐						
Weather							

TYRES	FRONT	REAR
Tyres		
Wheels		
Inserts		
Notes:		







TRANSMISSION	CHASSIS
Diff Height H M L	Chassis A C/FC
Diff Type B 2g 4g	LiPo Position 1 2 3 4 5 6 7 8
Timing deg	X Brace Running Weight
Spur t	Notes:

Lock Out Y N N

CHASSIS	EQUIPMENT
Chassis A C/F	E.S.C.
Chassis Insert	Servo
	RX
LiPo Position 1 2 3 4 5 6 7 8	LiPo
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Bodyshell
X Brace	
Running Weight	WEIGHTS
Notes:	

SET		



	Driver:	Date:	Event/Track:	
PRO I/IOth 2WD Off-Road Buggy	Qualify:	Final:	Best Lap:	
TRACK TYPE	TYRES	FRONT	Notes:	
Grip Level High Medium)[
Type Tight Open	Mixed Wheels			
Condition Flat Bumpy	Mixed		J	
Surface Clay Long Astro				
Grass Short Astro	Mixed			
FRONT SUSPENSI	ON K	1 = Medium, S = Stiff, Sh = Short, H	rass, CF = Carbon Fibre, S2 = Schumacher Composite, H = High, L = Low, F = Front, R = Rear, Y = Yes, N = No	
Ride Height	mm		ntre Track Rod P□ A□ (○ A) Yoke 5	
	+1.5 +3.0 +4.5		$P \square A \square$ 43	
Toe	deg In Out		Hub Carrier	
Camber at Ride Height	deg .9		P A Link Height	
Anti Roll Bar 0	Y N	Ackermann	mm	
Bump Steer Washers	mm		Wishbone	
Pivot Block Height	H M L	21 12	M S CFf T	
Steering Arm	Kit	• •		
Notes:			Hub Height B A	
		Pivot Block / P A B B	mm	
	ני	-2.0	1.50.75 0.75 S2 A 3 1	
REAR SUSPENSION KEY: P = Plastic, A = Alloy, B = Brass, CF = Carbon Fibre, S2 = Schumacher Composite, M = Medium, S = Stiff, Sh = Short, H = High, L = Low, F = Front, R = Rear, Y = Yes, N = No				
Ride Height	mm		Hex 4	
Wheelbase	0 +2 +4 +6	Outboard	$\begin{bmatrix} -2.0 & -1.5 & -0.75 & 0 & 0.75 & 1.5 & \end{bmatrix}$	
Anti-Squat	1° 2° 3° 4° 1	8.20	Hub Washers Link Height mm	
Toe 4° 3.5° 3° 2.5° 2.5° 2.5° 2.5° 2.5° 2.5° 2.5° 2.5	2° 1.5° 1.0° 0.5°	Inboard		
Camber at Ride Height	deg	Hub Carrier	Wishbone M□S□CFf□	
	.1 1.2 1.3 1.4	(PD AD)	Schumoch v. 61.	
Wing Gurney Height	mm	4		
Rearward Shock Position			21 CBA	
Driveshaft Type Gearbox Type	aydown Layback	Liub Height / Inggrt	Low Roll Centre Shim	
	Laydown Layback L	Hub Height / Insert		
Notes:		(H_L	PDAD	
TRANSMISSION	CHASSIS	EQUIPMEN	SHOCKS KEY: i = Internal, e = External, V = Vented, S = Sealed, A = Aeration	
B = Ball, 2g = 2 Gear, 4g = 4 Gear	Chassis A C/F	E.S.C.	FRONT REAR	
Diff Height H M L	Chassis Insert	Servo	Cap	
Diff Oil cSt	0mm	RX (Body	
Diff Type B 2g 4g Motor	LiPo Position	LiPo	Oil cSt cSt	
Rotor Dia. mm	1 2 3 4 5 6 7 8	Bodyshell	Piston ()	
Timing deg	X Brace Y N		Spring	
Pinion t	Running Weight 9	'	Stroke mm mm	
Spur t	Radio Tray 1 2 3		Limiters (e) mm mm	
Motor Plate A CF	Notes:		Notes:	
Lock Out Y N				
Slipper Plates 2 3		Under LiPo Y		