Schumacher Cougar LD2/LD2 SS

Setup: Cobra HOS October 2022 · Craig Harris (Schumacher) · Nov 1, 2022

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TRACK

Track	Cobra HOS
Type	Indoor carpet
Grip / moisture	Medium/High / Dry
Surface / layout	Bumpy/Smooth / Medium
Air temp	22.5°C (73°F)

RESULTS

Race type	Qualifier

FRONT SUSPENSION

Ackermann: inner steering link spacers	1 mm
Anti-roll bar	None
Arms	Carbon fiber
Axle height: steering block spacers	Medium
Bumpsteer: outer steering link spacers	4 mm
Camber	-2 degrees
Center track rod stud location	2
Pivot block	Brass
Pivot block arm mount location	2 - Outside
Pivot block height	High
Ride height	14 mm
ROLL CENTER	
Inner camber link location	3 - Outside
Inner camber link spacers	1 mm
Outer camber link location	B - Outside
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	4 - Mid-out
Steering block	Kit
Toe	-1 degrees
Tower	S2
Track: wheel hexes	-0.75mm
WHEELBASE	
Chassis insert	0 mm
Hub spacers	+1.5mm
Yokes	5 degree Aluminum

NOTES Aluminium Radius Arms, Aluminium Servo Horn
Aluminium camber plate

REAR SUSPENSION

Anti-roll bar	1.2mm
Anti-squat: strap spacer	2 degrees
Arm length	Long
Arms	Carbon fiber
Axle height: hub inserts	High pin
Camber	-1 degrees
Differential height	High mm
Hub	Aluminum
Ride height	14 mm
ROLL CENTER	
Inner camber link location	2 - Outside
Inner camber link spacers	5 mm
Outer camber link location	Alum hub: C - Middle
Outer camber link spacers	2
Pin height	High
Shock location	Front of arm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Mid-in
Toe: suspension mount inserts	0.5 degrees
Tower	S2
Track: wheel hexes	1.50mm
Wheelbase: hub spacers	Long

NOTES Aluminium camber plate

TIRES

	FRONT	REAR
Tire brand / type	Schumacher LP Cut Stagger	Schumacher Cactus
Tire compound	Yellow	Yellow
Tire insert	None	Schumacher Medium
Wheel brand / type	Kit	Kit
Tire prep - F/R	None	

NOTES Cactus cut inner and outer rows

SHOCKS

	FRONT	REAR
Caps	Aeration	Aeration
Limiters - int/ext	0 / 0 mm	0 / 2 mm
Oil weight	550 cst	400 cst
Pistons	3 x 1.5mm - White	3 x 1.6mm - Black
Springs	4.0lb Black	Hi-response 2.6lb Black
Stroke	21 mm	27.3 mm
Shock oil brand	CORE	

DRIVETRAIN

Clutch pads	2
Differential fluid	10,000 cst
Differential fluid brand	Kit
Differential type	2-gear
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	CVD
Pinion	24 teeth
Spur	80 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	Aerox	Kit
Body	Kit	
FLEX		
Chassis	Aluminum	
Chassis sidepods	Stiff	
Cross brace	None	
Motor plate	Aluminum	
Rear wing angle	Kit	
Rear wing gurney height	5 mm	
Rear wing height	Kit	
WEIGHT		
Battery position	8	
Radio tray position	3 - Forward	
Weights	None	

NOTES Penguin LCG body

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery capacity	**4200 mAh**
Battery model	**LCG**
ESC brand	**Hobbywing**
ESC model	**G2**
ESC settings	**No boost, 10 turbo, 13 drag, 15 throttle rate, no softening.**
Motor brand	**LRP**
Motor model	**X22**
Motor timing	**22.5 degrees**
Motor wind	**7 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**100 %**
Radio EPA throttle	**100 %**
Radio model	**Exzes ZZ**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX482**
Servo brand	**Savox**
Servo model	**1258TG**