Schumacher Cougar LD2/LD2 SS

Setup: Pdx rc 5/20 stock champs · Zack Morgan · May 22, 2023

so dialed
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EVENT	
Event	Club racing

TRACK	
Track	Pdx rc underground
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Medium / Tight
Air temp	70°F (21°C)
Track temp	65°F (18°C)

FRONT SUSPENSION

Ackermann: inner steering link spacers	2 mm
Anti-roll bar	1.2mm
Arms	Medium
Axle height: steering block spacers	High
Bumpsteer: outer steering link spacers	2 mm
Camber	-2 degrees
Center track rod stud location	2
Pivot block	Standard
Pivot block arm mount location	2 - Outside
Pivot block height	High
Ride height	14 mm
ROLL CENTER	
Inner camber link location	2 - Middle
Inner camber link spacers	4 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	5 mm
Hub spacers	+4.5mm
Yokes	5 degree

ELECTRONICS

Battery brand	ProTek
Battery C rating	120c
Battery capacity	6400 mAh
Battery model	6400 lihv
Motor brand	R1 WURKS
Motor model	V21-s
Motor timing	50 degrees
Motor wind	17.5 turns
Radio brand	Sanwa/Airtronics
Radio model	M17
Servo brand	ProTek
Servo model	160ss

NOTES Servo speed -15%
84% brake EPA

REAR SUSPENSION

Anti-roll bar	1.0mm
Anti-squat: strap spacer	2 degrees
Arm length	Long
Arms	Medium
Axle height: hub inserts	High pin
Camber	-2 degrees
Differential height	High mm
Hub	Kit
Ride height	14 mm
ROLL CENTER	
Inner camber link location	2 - Outside
Inner camber link spacers	2.5 mm
Outer camber link location	C - Mid-out
Outer camber link spacers	0
Pin height	Low
Shock location	Front of arm
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	3 - Middle
Toe: suspension mount inserts	1.5 degrees
Tower	S2
Track: wheel hexes	1.50mm
Wheelbase: hub spacers	Long

TIRES

	FRONT	REAR
Tire brand / type	Jconcepts Fuzz Bite	Jconcepts Nessi
Tire compound	Pink	Pink
Tire insert	None	Open-cell
Wheel brand / type	Jconcepts	Jconcepts

ESC SETTINGS

Brake: Drag	5 %
Throttle: Frequency	2k kHz

SHOCKS

	FRONT	REAR
Caps	Aeration	Aeration
Limiters - int/ext	0 / 0 mm	0 / 0 mm
Oil weight	40 wt	35 wt
Pistons	3 x 1.5mm - White	3 x 1.7mm - Red
Springs	4.3lb Orange	2.2lb Green
Stroke	22 mm	27.3 mm

Shock oil brand	CORE

DRIVETRAIN

Clutch pads	2
Differential fluid	15,000 cst
Differential fluid brand	8.80
Differential type	4-gear
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	CVD
Pinion	30 teeth
Spur	71 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	–	Kit
Body		AEROX Cougar KC lightweight
FLEX		
Chassis		Aluminum
Chassis sidepods		Stiff
Cross brace		None
Motor plate		Carbon fiber
Rear wing gurney height		2mm
WEIGHT		
Battery position		7
Radio tray position		3 - Forward
Total		1510 g
Weights		Radio brass tray.

NOTES 30g weight under battery