Schumacher Cougar LD2/LD2 SS

Setup: LD2 base setup 405 · Jason waters · Jan 4, 2023

so dialed
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EVENT	
Event	Club race
Class	17.5 sportsman

TRACK	
Track	405 raceway
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Medium
Air temp	75°F (24°C)
Track temp	75°F (24°C)

RESULTS	
Race type	Main
Finish	1st
Best lap	13.2 s

FRONT SUSPENSION

Ackermann: inner steering link spacers	2 mm
Anti-roll bar	None
Arms	Medium
Axle height: steering block spacers	Medium
Bumpsteer: outer steering link spacers	2 mm
Camber	-1 degrees
Center track rod stud location	2
Pivot block	Brass
Pivot block	Standard
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	3 - Middle
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

ELECTRONICS

Battery brand	ProTek
Battery C rating	130
Battery capacity	4800 mAh
ESC brand	Hobbywing
Motor brand	SchuurSpeed
Motor wind	8.5 turns
Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver brand	Sanwa/Airtronics

REAR SUSPENSION

Anti-roll bar	1.2mm
Anti-squat: strap spacer	1 degrees
Arm length	Long
Arms	Medium
Axle height: hub inserts	High pin
Camber	-0.5 degrees
Differential height	High mm
Hub	Kit
Ride height	14 mm
ROLL CENTER	
Inner camber link location	2 - Outside
Inner camber link spacers	5 mm
Outer camber link location	C - Mid-out
Outer camber link spacers	0
Pin height	High
Shock location	Front of arm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	1 - Inside
Toe: suspension mount inserts	0.5 degrees
Tower	Carbon fiber
Track: wheel hexes	-0.75mm
Wheelbase: hub spacers	Long

TIRES

	FRONT	REAR
Tire brand / type	Schumacher	Schumacher
Tire compound	Yellow	Yellow
Tire insert	None	Closed-cell
Wheel brand / type	Schumacher	Schumacher

SHOCKS

	FRONT	REAR
Caps	Aeration	Aeration
Limiters - int/ext	0 / 0 mm	0 / 0 mm
Oil weight	550 cst	400 cst
Pistons	3 x 1.5mm - White	3 x 1.6mm - Black
Springs	4.3lb Orange	2.6lb Black
Stroke	21.5 mm	28.5 mm

Shock oil brand	CORE

DRIVETRAIN

Clutch pads	2
Differential fluid	7,500 cst
Differential type	2-gear
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	CVD
Pinion	19 teeth
Spur	80 teeth

NOTES 2 Gear

BODY & CHASSIS

	FRONT	REAR
Wing	Yes	Kit

Body	Kit
FLEX	
Chassis	Aluminum
Chassis sidepods	Stiff
Cross brace	None
Front wing location	Low
Motor plate	Aluminum
Rear wing gurney height	0 mm
WEIGHT	
Battery position	1
Radio tray position	3 - Forward
Total	1554 g
Weights	Servo weight Brass electronics plate