Schumacher Cougar LD2/LD2 SS

Setup: Base Indoor Setup · Craig Harris (Schumacher) · Mar 2, 2024

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TRACK

Track	Cobra
Type	Indoor carpet
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Medium

FRONT SUSPENSION

Ackermann: inner steering link spacers	1 mm
Anti-roll bar	None
Arms	Carbon fiber
Axle height: steering block spacers	High
Bumpsteer: outer steering link spacers	2 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	2 mm
Outer camber link location	B - Outside
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3 - Middle
Steering block	Kit
Toe	0 degrees
Tower	S2
Track: wheel hexes	-0.75mm
WHEELBASE	
Chassis insert	0 mm
Hub spacers	+4.5mm
Yokes	5 degree Aluminum

REAR SUSPENSION

Anti-roll bar	1.2mm
Anti-squat: strap spacer	2 degrees
Arm length	Long
Arms	Carbon fiber
Axle height: hub inserts	Low pin
Camber	-1 degrees
Differential height	High mm
Hub	Kit
Ride height	14 mm
ROLL CENTER	
Inner camber link location	Wide Link Plate
Inner camber link spacers	3 mm
Outer camber link location	Ld3 hub. Back outer hole. Plate Inboard
Outer camber link spacers	3
Pin height	Low
Shock location	Front of arm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Mid-in
Toe: suspension mount inserts	1 degrees
Tower	S2
Track: wheel hexes	1.50mm
Wheelbase: hub spacers	Medium

NOTES Ld3 rear hubs. B high

TIRES

	FRONT	REAR
Tire brand / type	Schumacher Fusion Slim	Schumacher U6838 Cactus
Tire compound	Yellow	Yellow
Tire insert	Schumacher 2wd Hard	Schumacher U6734 Medium
Wheel brand / type	Schumacher	Schumacher

NOTES Inside and outside rows cut off rear tyre

SHOCKS

	FRONT	REAR
Caps	Aeration	Aeration
Limiters - int/ext	0 / 0 mm	0 / 2 mm
Oil weight	575cst	475cst
Pistons	3 x 1.5mm - White	3 x 1.6mm - Black
Springs	4.3lb Orange	HR 2.6lb Black (CR811)
Stroke	22 mm	27.3 mm
Shock oil brand	CORE	

NOTES O-ring external limiter

DRIVETRAIN

Clutch pads	2
Differential fluid	12,000 cst
Differential fluid brand	Core RC
Differential type	2-gear
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	Universal
Pinion	25 teeth
Spur	80 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	Aerox	JC wide
Body	Penguin Slayer	
FLEX		
Chassis	Aluminum	
Chassis sidepods	Stiff	
Cross brace	None	
Motor plate	Aluminum	
Rear wing gurney height	5 mm	
WEIGHT		
Battery position	7	
Radio tray position	3 - Forward	
Weights	Radio tray 30g Servo weight 12g	

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery capacity	**4200 mAh**
Battery model	**18.5mm high Shorty**
ESC brand	**Hobbywing**
ESC model	**XR10G2S**
ESC settings	**20 drag brake 2 throttle rate 87% brake Sensorless**
Motor brand	**SKYRC**
Motor wind	**8.5 turns**
Radio brand	**Futaba**
Radio EPA steering	**100 %**
Radio EPA throttle	**100 %**
Radio model	**4grs**
Receiver brand	**Futaba**
Receiver model	**103**
Servo brand	**Savox**
Servo model	**1258tg**

NOTES AX009 servo horn

ESC SETTINGS

BRAKE

Drag	**20 %**
Frequency	**1k kHz**
Strength	**87**
Throttle: Frequency	**12k kHz**