Schumacher Cougar LD2/LD2 SS

Setup: BRCA F2 EOSF, 3-9-22 · Craig Harris (Schumacher) · Oct 1, 2022

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EVENT	
Event	BRCA F2 EOSF
Class	F2

TRACK	
Track	Mendip
Type	Outdoor astroturf
Grip / moisture	Medium / Dry
Surface / layout	Bumpy / Medium
Air temp	22.5°C (73°F)
Track temp	20°C (68°F)

RESULTS	
Race type	Main
Race number	A
Finish	3rd

FRONT SUSPENSION

Ackermann: inner steering link spacers	2 mm
Anti-roll bar	None
Arms	Medium
Axle height: steering block spacers	Hub low, both spacers above steering block.
Bumpsteer: outer steering link spacers	2 mm
Camber	-2 degrees
Center track rod stud location	2
Pivot block	Aluminum
Pivot block arm mount location	2 - Outside
Pivot block height	Medium
Ride height	17 mm
ROLL CENTER	
Inner camber link location	3 - Outside
Inner camber link spacers	4 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	5 mm
Hub spacers	+4.5mm
Yokes	5 degree Aluminum

NOTES S2 camber link plate, plastic servo horn, CTR and radius arms.

REAR SUSPENSION

Anti-roll bar	None
Anti-squat: strap spacer	2 degrees
Arm length	Long
Arms	Medium
Axle height: hub inserts	High pin
Camber	-1 degrees
Differential height	High mm
Hub	Kit
Ride height	17 mm
ROLL CENTER	
Inner camber link location	2 - Outside
Inner camber link spacers	1 mm
Outer camber link location	B - Mid-in
Outer camber link spacers	N/A
Pin height	High
Shock location	Front of arm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	3 - Middle
Toe: suspension mount inserts	3 degrees
Tower	S2
Track: wheel hexes	2.25mm
Wheelbase: hub spacers	Medium

NOTES Plastic camber link

TIRES

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

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 1.7mm - Red
Springs	4.0lb Black	Hi-response 2.2lb Green
Stroke	22 mm	27.3 mm
Shock oil brand	CORE	

DRIVETRAIN

Clutch pads	3
Differential fluid	. cst
Differential fluid brand	Kit
Differential type	Ball
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	CVD
Pinion	23 teeth
Spur	78 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	Aerox	Kit
Body	Penguin LCG	
FLEX		
Chassis	Aluminum	
Chassis sidepods	Stiff	
Cross brace	None	
Motor plate	Aluminum	
Rear wing angle	Kit	
Rear wing gurney height	3 mm	
Rear wing height	Kit	
WEIGHT		
Battery position	3	
Radio tray position	3 - Forward	
Weights	Under Lipo 35g	

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery capacity	**4200 mAh**
Battery model	**18.5mm high Shorty**
ESC brand	**Hobbywing**
ESC model	**XR10 G2**
ESC settings	**No boost, no turbo, 11 drag, 5 throttle rate.**
Motor brand	**LRP**
Motor model	**X22**
Motor timing	**20 degrees**
Motor wind	**7 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**92 %**
Radio EPA throttle	**100 %**
Radio model	**Exzes ZZ**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX482**
Servo brand	**Savox**
Servo model	**1258TG**

NOTES 12.1mm rotor in motor