Schumacher CAT L1R

Setup: Caldicot Club March 23 · Craig Harris (Schumacher) · Mar 23, 2023

so dialed
Open/save in RC Setup App →

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EVENT	
Event	Club

TRACK	
Track	Caldicot RC Raceway
Type	Indoor carpet
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Tight

FRONT SUSPENSION

ACKERMANN	
Center link pivot	5 - Outside
Inner steering link location	3 - Front
Steering arm	No dot
Anti-roll bar	1.8 mm
Arms	Medium
AXLE HEIGHT	
Yoke pin height	Low (high pin)
Yoke shims	High (above yoke)
Bump steer: outer steering link shims	0 mm
Camber	-1 degrees
CAMBER LINK	
Inner location	2 - Middle
Outer location	1 - Outside
Outer shims	5 mm
Caster: yokes	8 deg aluminum
Differential height	Medium
Front strap	Aluminum
Hub carriers	Plastic
Kick-up: arm mount inserts	8 degrees
Ride height	13 mm
Roll center: pin height	High
SHOCKS	
Arm mounting hole	2 - Middle
Tower mounting hole	2
Toe	+1 degrees
Tower	S2
TRACK	
Arm mounts	Narrow
Wheel hexes	0mm
Wheelbase: arm shims	Short

REAR SUSPENSION

Anti-roll bar	2.0 mm
Anti-squat: strap spacer	1 degrees
Arm length	Long
Arms	Medium
Axle height: hub inserts	+0.5mm - B up
Camber	-1.5 degrees
Camber link mount	Aluminum
CAMBER LINK	
Inner location	1 - Front
Inner shims	0 mm
Outer location	Mount out / Front mid
Outer shims	3 mm
Differential height	High
Hub carriers	Plastic
Ride height	13 mm
Roll center: RR strap orientation	High
SHOCKS	
Arm mounting hole	2 - Middle
Tower mounting hole	2
Toe: RF mount inserts	0.5 degrees
Tower	S2
Track: wheel hexes	-1.5mm
Transmission spacer	2mm 3D print
Wheelbase: hub spacers	Long

BODY & CHASSIS

	FRONT	REAR
Wing	–	L1R
Battery position		Back
Body		Penguin Slayer
Chassis		Aluminum
Rear wing gurney height		3 mm
Top deck - front		2.5mm Carbon fiber
Top deck - rear		2.5mm Carbon fiber
Weights		10g by Receiver

SHOCKS

	FRONT	REAR
Bodies	Kit	Kit long
Caps	Aeration	Aeration
Limiters - ext	0	2
Limiters - int	1	0
Oil weight	550 cst	400 cst
Pistons	2 x 1.6mm - Black	2 x 1.8mm - U3670 drilled
Springs	4.0lb Black	2.6lb Black
Stroke	21.5 mm	28 mm
Shock oil brand	CORE	

DIFFERENTIALS

	FRONT	REAR
Diff case	Plastic	Plastic
Diff fluid	12,000 cst	12,000 cst
Diff gears	2	2
Diff fluid brand	Core	

DRIVETRAIN

Drive ratio - internal	2.45
Drive type	Slipper
Driveshafts - front	Double-jointed
Driveshafts - rear	Universal
Rear-only slipper	No
Slipper clutch pads	2
Spur	83 teeth

TIRES

	FRONT	REAR
Tire brand / type	Schumacher Cactus Fusion U6855	Schumacher U6838 Cactus
Tire compound	Yellow	Yellow
Tire inserts	U6733	U6734
Wheel brand / type	Kit	Schumacher

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery capacity	**4400 mAh**
Battery model	**IPLP2S4400PT2**
ESC brand	**Hobbywing**
ESC model	**XR10 G2S Pro Elite**
ESC settings	**12 drag brake 15 th rate No boost No turbo 77% brake**
Motor brand	**LRP**
Motor model	**X22**
Motor timing	**20 degrees**
Motor wind	**5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**100 %**
Radio EPA throttle	**100 %**
Radio model	**Exces ZZ**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX482**
Servo brand	**Savox**
Servo model	**Sc1256tg**

ESC SETTINGS

Boost: Timing	**0 degrees**
BRAKE	
Drag	**12 %**
Frequency	**1k kHz**
Strength	**77%**
THROTTLE	
Frequency	**12k kHz**
Initial strength	**2 %**
Strength	**15**
Turbo: Timing	**0 degrees**