Schumacher CAT L1R

Setup: Caldicot 24th March · Liam Toole · Apr 3, 2023

so dialed
Open/save in RC Setup App →

Scan to open in the app

EVENT	
Event	Club Day

TRACK	
Track	Caldicot
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Medium

FRONT SUSPENSION

ACKERMANN	
Center link pivot	5 - Outside
Inner steering link location	2 - Middle
Steering arm	No dot
Anti-roll bar	1.9 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	2 mm
Caster: yokes	6 deg aluminum
Differential height	Low
Front strap	Aluminum
Hub carriers	Plastic
Kick-up: arm mount inserts	8 degrees
Ride height	12 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	2.1 mm
Anti-squat: strap spacer	2 degrees
Arm length	Long
Arms	Medium
Axle height: hub inserts	+2.5mm - B down
Camber	-2 degrees
Camber link mount	Carbon fiber
CAMBER LINK	
Inner location	1 - Front
Inner shims	1 mm
Outer location	Mount in / Front mid
Outer shims	3 mm
Differential height	High
Hub carriers	Aluminum
Ride height	12 mm
Roll center: RR strap orientation	High
SHOCKS	
Arm mounting hole	2 - Middle
Tower mounting hole	2
Toe: RF mount inserts	1.5 degrees
Tower	S2
Track: wheel hexes	-1.5mm
Transmission spacer	2mm CF
Wheelbase: hub spacers	Long

BODY & CHASSIS

	FRONT	REAR
Wing	–	L1R
Battery position		Front
Body		L1R Lightweight
Chassis		Aluminum
Rear wing gurney height		10.5 mm
Screws & turnbuckles		3.5 Ti
Top deck - front		2.5mm Carbon fiber
Top deck - rear		2.5mm Carbon fiber

SHOCKS

	FRONT	REAR
Bodies	Kit	Kit long
Caps	Aeration	Aeration
Limiters - ext	0	2
Limiters - int	0	0
Oil weight	600 cst	450 cst
Pistons	2x1.6 Yellow	2x1.8 Yellow
Springs	HR 4.0lb Black	HR 2.6lb Black
Stroke	21.8 mm	28 mm

Shock oil brand: CORE

DIFFERENTIALS

	FRONT	REAR
Diff case	Plastic	Plastic
Diff fluid	15,000 cst	15,000 cst
Diff gears	2	2

DRIVETRAIN

Drive ratio - internal	2.45
Drive type	Slipper
Driveshafts - front	Double-jointed
Driveshafts - rear	Universal
Pinion	18 teeth
Rear-only slipper	No
Slipper clutch pads	3
Spur	83 teeth

NOTES Lost the punch from corners, lower pinion more turbo

TIRES

	FRONT	REAR
Tire brand / type	Fusion 1	Cactus
Tire compound	Yellow	Yellow
Tire inserts	Medium	Medium
Wheel brand / type	Schu	Schu
Tire prep		Sidewalls glued front single layer