Schumacher CAT L1R

Setup: WRCA Saundersfoot 14/05/23 · Liam Toole · May 15, 2023

so dialed
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EVENT

Event	WRCA RD2

TRACK

Track	Saundersfoot
Type	Outdoor grass
Grip / moisture	High/Medium / Dry
Surface / layout	Smooth/Rutted / Medium/Open
Air temp	15°C (59°F)
Track temp	15°C (59°F)

FRONT SUSPENSION

ACKERMANN

Center link pivot	5 - Outside
Inner steering link location	2 - Middle
Steering arm	No dot
Anti-roll bar	1.4 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	3.5 mm
Caster: yokes	6 deg aluminum
Differential height	Low
Front strap	Aluminum
Hub carriers	Plastic
Kick-up: arm mount inserts	10 degrees
Ride height	19 mm
Roll center: pin height	High

SHOCKS

Arm mounting hole	2 - Middle
Tower mounting hole	2
Toe	+1 degrees
Tower	S2

TRACK

Arm mounts	Mid
Wheel hexes	0mm
Wheelbase: arm shims	Short

ESC SETTINGS

BRAKE

Curve	10 brake rate
Drag	10 %
Frequency	2 kHz
Throttle: Curve	5 throttle rate

TURBO

Delay	0.05 seconds
Timing	25 degrees

REAR SUSPENSION

Anti-roll bar	1.6 mm
Anti-squat: strap spacer	1 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	4 mm
Outer location	Mount out / Front inside
Outer shims	3 mm
Differential height	Low
Hub carriers	Aluminum
Ride height	20 mm
Roll center: RR strap orientation	High

SHOCKS

Arm mounting hole	2 - Middle
Tower mounting hole	2
Toe: RF mount inserts	4 degrees
Tower	S2
Track: wheel hexes	-0.75mm
Transmission spacer	None
Wheelbase: hub spacers	Long

NOTES Drop to1.4 roll bar for rd4

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

NOTES Rear and front top deck screw removed

SHOCKS

	FRONT	REAR
Bodies	Kit	Kit long
Caps	Aeration	Aeration
Limiters - ext	0	2
Limiters - int	0	0
Oil weight	400 cst	350 cst
Pistons	2x1.8 Yellow	2x2.1 Yellow
Springs	HR 3.7lb Blue	HR 2lb Red
Stroke	21.8 mm	28 mm

Shock oil brand: CORE

DIFFERENTIALS

	FRONT	REAR
Diff case	Carbon	Carbon
Diff fluid	10,000 cst	10,000 cst
Diff gears	4	4

Diff fluid brand: Core

DRIVETRAIN

Drive ratio - internal	2.45
Drive type	Slipper
Driveshafts - front	Double-jointed
Driveshafts - rear	Universal
Pinion	20 teeth
Rear-only slipper	No
Slipper clutch pads	3
Spur	83 teeth

TIRES

	FRONT	REAR
Tire brand / type	Mini spike	Mini Spike
Tire compound	Yellow	Yellow
Tire inserts	Medium	Medium
Wheel brand / type	Schu	Schu

Tire prep: 2 outside 1 inside cut