Schumacher Cougar LD3

Setup: Yasir 2024 TORCH · Paul Weir · Jul 2, 2024

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EVENT	
Event	2024 Regional

TRACK	
Track	TORCH
Type	Outdoor astroturf
Grip / moisture	Medium / Dry
Surface / layout	Bumpy / Medium

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1 mm
Steering arms	B
Anti-roll bar	0 mm
Arms	Medium
Axle height: hub shims	1 mm
Bump steer: outer steering link shims	1 mm
Camber	-2 degrees
CAMBER LINK	
Inner location	3 - Out
Inner mount	Alloy
Inner shims	5 mm
Outer location	A Out
Center track rod	Alloy
Center track rod stud location	1
Pivot block	Alloy
Pivot block height	+0.5 mm
Ride height	18 mm
Shock tower	Carbon fiber
SHOCKS	
Arm mounts	B - Out
Tower mounts	2
Steering blocks	Alloy
Steering crank mount location	2 - Out
Toe	0 degrees
Track: wheel hexes	-2 mm
WHEELBASE	
Arm orientation	+0 mm
Chassis insert	+5 mm
Hub shims	+0 mm
Yokes	5 deg alloy

NOTES Alloy front bulkhead with 31g weight
Steering arm B

REAR SUSPENSION

Anti-roll bar	0 mm
Anti-squat: strap spacer	1 degrees
Arm length	2 - Long
Arms	Medium
Camber	-2 degrees
CAMBER LINK	
Inner location	2 - Outside
Inner shims	3 mm
Outer location	Inboard - front outside
Outer shims	3
Differential height	Medium mm
Hub height: insert orientation	High
Hub inserts	G
Hubs	Standard
Ride height	18 mm
Shock location	Front of arm
Shock tower	S2
SHOCKS	
Arm mounts	B - Mid
Tower mounts	2
Toe: arm mount inserts	2.5 degrees
Track: wheel hexes	-0.75 mm
Wheelbase: hub shims	+4 mm

NOTES Shim in under RF strap, high pin.
Medium long wheelbase 1mm behind.

TIRES

	FRONT	REAR
Tire brand / type	Schumacher cut stagger	–
Wheel brand / type	Schumacher	–

ELECTRONICS

Battery brand	Intellect Pioneering
Battery capacity	4200 mAh
ESC brand	Hobbywing
ESC model	G2S
Motor brand	Hobbywing
Motor timing	30 degrees
Motor wind	6.5 turns
Receiver model	FH5
Servo brand	Power HD
Servo model	GTS-3

SHOCKS

	FRONT	REAR
Bodies	Kashima	Kashima
Caps	Aeration	Aeration
Limiters - ext	0 mm	1 O-ring mm
Limiters - int	0 mm	0 mm
Oil weight	550 cst	425 Core
Pistons	1.7 x2 VRP	1.9 x2 VRP
Springs	4.3lb Orange	2.2lb Green
Stroke	23 mm	29.5 mm

Shock oil brand: CORE

DRIVETRAIN

Clutch pads	2
Differential fluid	12,000 cst
Differential fluid brand	8.80
Differential type	2-gear
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	CVD
Gearbox	Laydown
Pinion	23 teeth
Spur	80 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	Yes	Kit

Battery position	6
Body	Kit
FLEX	
Chassis	Alloy
Cross brace	None
Motor plate	Aluminum
Radio tray position	3 - Front
Weights: standard	Chassis - F, Radio tray