Schumacher Cougar LD3

Setup: Caldicot Club 17/11/23 · Craig Harris (Schumacher) · Nov 22, 2023

so dialed
Open/save in RC Setup App →

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EVENT

Event	COWS

TRACK

Track	Caldicot RC Racer
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Tight
Air temp	12.5°C (55°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1 mm
Steering arms	Kit
Anti-roll bar	1.0 mm
Arms	Carbon fiber
Axle height: hub shims	2 mm
Bump steer: outer steering link shims	4 mm
Camber	-1 degrees
CAMBER LINK	
Inner location	3 - Out
Inner mount	Alloy
Inner shims	4 mm
Outer location	B Out
Center track rod	Alloy
Center track rod stud location	2
Pivot block	Brass
Pivot block height	+0 mm
Ride height	14 mm
Shock tower	S2
SHOCKS	
Arm mounts	B - Out
Tower mounts	3
Steering blocks	Standard
Steering crank mount location	2 - Out
Toe	0 degrees
Track: wheel hexes	-2 mm
WHEELBASE	
Arm orientation	+0 mm
Chassis insert	+0 mm
Hub shims	+1.5 mm
Yokes	5 deg alloy

REAR SUSPENSION

Anti-roll bar	1.4 mm
Anti-squat: strap spacer	1 degrees
Arm length	2 - Long
Arms	Medium
Camber	-1 degrees
CAMBER LINK	
Inner location	2 - Outside
Inner shims	4 mm
Outer location	Outboard - back mid
Outer shims	2
Differential height	High mm
Hub height: insert orientation	High
Hub inserts	Wide C
Hubs	Standard
Ride height	14 mm
Shock location	Front of arm
Shock tower	S2
SHOCKS	
Arm mounts	B - Mid
Tower mounts	3
Toe: arm mount inserts	1.5 degrees
Track: wheel hexes	+0.75 mm
Wheelbase: hub shims	+6 mm

TIRES

	FRONT	REAR
Tire brand / type	Schumacher Fusion Slim	Schumacher U6838 Cactus
Tire inserts	Hard	Medium
Wheel brand / type	Schumacher	Schumacher

NOTES Front tyres- glued down and glued sidewall

Rear tyres- inside and outside cut

SHOCKS

	FRONT	REAR
Bodies	Kashima	Kashima
Caps	Aeration	Aeration
Limiters - ext	0 mm	2mm o ring mm
Limiters - int	0 mm	0 mm
Oil weight	600 cst	450 cst
Pistons	2x1.6 taper	2x1.7 taper
Springs	4.6lb Yellow	Hi-response 2.6lb Black
Stroke	22 mm	28.3 mm

Shock oil brand: CORE

DRIVETRAIN

Clutch pads	2
Differential fluid	100,000 cst
Differential fluid brand	Core RC
Differential type	2-gear
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	Universal
Gearbox	Laydown
Pinion	22 teeth
Spur	80 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	–	Kit

Battery position	8
Body	Kit
FLEX	
Chassis	Alloy
Cross brace	None
Motor plate	Aluminum
Radio tray position	2 - Mid
Rear wing gurney height	4 mm
Screws & turnbuckles	T-Works Gold
Weights: standard	Radio tray

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery capacity	**4400 mAh**
Battery model	**IPLP2S4400PT2**
ESC brand	**Hobbywing**
ESC model	**XR10 G2S**
Motor brand	**LRP**
Motor model	**X22**
Motor rotor diameter	**12.3 mm**
Motor timing	**22 degrees**
Motor wind	**7 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA brake	**100 %**
Radio EPA throttle	**100 %**
Radio model	**Exzes ZZ**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**Rx482**
Servo brand	**Agfrc**
Servo model	**Full size**

ESC SETTINGS

BOOST

RPM End	**22500 rpm**
RPM Start	**6000 rpm**
Timing	**0 degrees**

BRAKE

Curve	**Traditional**
Drag	**13 %**
Frequency	**1 kHz**
Strength	**80**

THROTTLE

Frequency	**12 kHz**
Initial strength	**3 %**
Strength	**5**

TURBO

Activation method	**Delay**
Delay	**O.3 seconds**
Ramp	**5**
Timing	**10 degrees**

NOTES Drag Brake Rate- 6
Brake Rate- 15