Schumacher Cougar LD3

Setup: Cobra Sword R4 · Craig Harris (Schumacher) · Feb 2, 2024

so dialed
Open/save in RC Setup App →

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EVENT	
Event	Sword R4

TRACK	
Track	Cobra
Type	Indoor carpet
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Tight
Air temp	17.5°C (64°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1 mm
Steering arms	Kit
Anti-roll bar	0 mm
Arms	Carbon fiber
Axle height: hub shims	1 mm
Bump steer: outer steering link shims	4 mm
Camber	-1 degrees
CAMBER LINK	
Inner location	3 - Out
Inner mount	Alloy
Inner shims	2 mm
Outer location	B Out
Center track rod	Alloy
Center track rod stud location	2
Pivot block	Brass
Pivot block height	+1 mm
Ride height	14 mm
Shock tower	S2
SHOCKS	
Arm mounts	B - Out
Tower mounts	4
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

NOTES +4.5 WHEELBASE

REAR SUSPENSION

Anti-roll bar	1.2 mm
Anti-squat: strap spacer	2 degrees
Arm length	2 - Long
Arms	Medium
Camber	-1 degrees
CAMBER LINK	
Inner location	Wide strap
Inner shims	5 mm
Outer location	Outboard - back mid
Outer shims	2
Differential height	High mm
Hub height: insert orientation	High
Hub inserts	Wide D
Hubs	Standard
Ride height	14 mm
Shock location	Front of arm
Shock tower	S2
SHOCKS	
Arm mounts	B - Mid
Tower mounts	2
Toe: arm mount inserts	0.5 degrees
Track: wheel hexes	+0.75 mm
Wheelbase: hub shims	+4 mm

NOTES HIGH PIN

TIRES

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

NOTES 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	3 x 1.5 a White (U???)	3 x 1.6 - Black (U???)
Springs	HR 4.0lb Black	Hi-response 2.6lb Black
Stroke	21.5 mm	28.3 mm
Shock oil brand	CORE	

DRIVETRAIN

Clutch pads	3
Differential fluid	12,000 cst
Differential fluid brand	Core RC
Differential type	2-gear
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	Universal
Gearbox	Laydown
Pinion	21 teeth
Spur	80 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	Aerox	Kit
Battery position	8	
Body	Kit	
FLEX		
Chassis	Alloy	
Cross brace	None	
Motor plate	Aluminum	
Radio tray position	3 - Front	
Rear wing gurney height	1 mm	
Screws & turnbuckles	T-Works Gold	
Weights: standard	Radio tray	

NOTES Kit Bodyshell
Kit Wing

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	**12.1 mm**
Motor timing	**22 degrees**
Motor wind	**5 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	**28 %**
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	**0 degrees**

NOTES Drag Brake Rate- 18
Brake Rate- 20
Throttle Rate- 4