

Schumacher Cougar KD

Setup: Outdoor dusty · [cowpker4life](#) · Feb 16, 2022

so dialed

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TRACK

Track	Ricks hobbyfarm/Jerry's rc
Type	Outdoor loose/loamy
Grip / moisture	Low / Dusty
Surface / layout	Medium / Open

FRONT SUSPENSION

Anti-roll bar	None
Arms	<u>Carbon fiber</u>
Axle height: steering block spacers	Low
Camber	-1 degrees
Camber link mount	<u>Carbon fiber</u>
CAMBER LINK	
Inner stud location	2 - Outside
Inner stud spacers	0 mm
Outer stud location	B - Outside
Outer stud spacers	0 mm
Hub carrier / yoke	<u>5 degree Aluminum</u>
Ride height	21 mm

SHOCKS

Arm mounting hole	B - Outside
Tower mounting hole	1 - Inside
Steering block	<u>Aluminum</u>
Steering center link	<u>Alloy</u>

STEERING LINK

Inner stud spacers	1 mm
Outer stud spacers	1 mm
Toe	-1 degrees
Tower	<u>Kit</u>
Track: wheel hexes	<u>Kit mm</u>
Wheelbase: hub carrier spacers	+4.5mm

ELECTRONICS

Battery brand	Gens Ace
Battery C rating	60
Battery capacity	4600 mAh
Battery model	200 grams
ESC brand	Hobbywing
ESC model	Xr10 pro g2
ESC settings	16k drive freq 10k brake. 10-15% initial brake 10 throttle rate
Motor brand	Reedy
Motor model	Reedy s+
Motor timing	39 degrees
Motor wind	10.5 turns
Radio brand	KO Propo
Radio model	Ex-rr/ex-ldt
Receiver brand	KO Propo
Receiver model	Kr-415
Servo brand	Proamps
Servo model	Bls139

NOTES Try t250.

8.5 if have grip

Steering speed 75% epa 80ish%. Turn speed/epa up as grip increase.

10-20 throttle expo in raido

5 turbo for 10.5

REAR SUSPENSION

Anti-roll bar	None
Anti-squat: strap spacer	2 degrees
Arms	<u>Medium flex</u>
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	2 - Outside
Inner stud spacers	0 mm
Outer stud location	A - Inside
Outer stud spacers	0
Hub	<u>Kit</u>
Pin height (roll center)	Low
Rear strap	<u>Brass wide 3.5 degree</u>
Ride height	23 mm
Shock location	Back of arm

SHOCKS

Arm mounting hole	A - Inside
Tower mounting hole	1 - Inside
Tower	<u>Kit</u>
Track: wheel hexes	<u>Kit</u>
Wheelbase: hub spacers	Short (back of hub)

BODY & CHASSIS

	FRONT	REAR
Wing	Large	Kit
Battery position	3 - Rear	
Body	Ultra light	
Chassis	<u>Carbon fiber</u>	
Chassis layout	5 - KD - Motor back	
Chassis sidepods	<u>Carbon fiber</u>	
Front wing location	Low	
Weight balance (F/R)	35 / 65	

WEIGHT

Battery	200g
Total	1570 g

NOTES Need carbon chassis(-60g)

SHOCKS

	FRONT	REAR
Bodies	Kit	Kit
Caps	<u>Aeration</u>	<u>Aeration</u>
Limiters (external)	2 orings mm	2 orings mm
Limiters (internal)	0 mm	2 mm
Oil weight	32.5 wt	30 wt
Pistons	<u>2 x 1.6mm - Black</u>	<u>2 x 1.7mm - Red</u>
Springs	<u>CORE Green</u>	<u>CORE Blue</u>
Stroke	22 mm	25.3 mm
Shock oil brand	Factory team	

DRIVETRAIN

Clutch pads	2
Differential type	Ball
Drive type	Slipper
Driveshafts	Ti layshaft(SCHU8047)
Pinion	26 teeth
Spur	78 teeth

NOTES 30/76 or 31/76 might work best for 13.5

TIRES

	FRONT	REAR
Tire brand / type	Jc ribbs	Proline holeshots
Tire insert	Closed-cell	Open-cell