

Schumacher Cougar KD

Setup: Indoor clay · [cowpker4life](#) · Feb 16, 2022

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TRACK

Track	toybox/510
Type	Indoor clay
Grip / moisture	Medium / Wet
Surface / layout	Smooth / Tight

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	1 mm
Outer stud location	B - Outside
Outer stud spacers	0 mm
Hub carrier / yoke	<u>5 degree Aluminum</u>
Ride height	Low as can 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 location	<u>3 - Inside</u>
Inner stud spacers	0 mm
Outer stud spacers	2 mm
Toe	-1 degrees
Tower	<u>Kit</u>
Track: wheel hexes	<u>Kit mm</u>
Wheelbase: hub carrier spacers	+0mm

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	Drive frequency: 8k Throttle rate: 28 Brake frequency: 4k Brake rate: 20 15% initial brake Boost: 5° Boost range:3400-22500 Turbo:7° Turbo delay: .01
Motor brand	Motiv
Motor model	Mc3
Motor timing	30 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

REAR SUSPENSION

Anti-roll bar	None
Anti-squat: strap spacer	3 degrees
Arms	<u>Medium flex</u>
Camber	-1 degrees

CAMBER LINK

Inner stud location	1 - Inside
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>Kit</u>
Ride height	Low as can 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)

NOTES Flipped rear aarms.

BODY & CHASSIS

	FRONT	REAR
Wing	Large	Kit
Battery position	3 - Rear	
Body	Ultra light aerox	
Chassis	<u>Kit</u>	
Chassis layout	5 - KD - Motor back	
Chassis sidepods	<u>Carbon fiber</u>	
Front wing location	Low	
Rear wing height	4mm	
Weight balance (F/R)	38 / 62	

WEIGHT

Battery	200g/208
Total	1605 g

NOTES Front wing trim to 2nd line.

SHOCKS

	FRONT	REAR
Bodies	<u>Kashima coated</u>	<u>Kashima coated</u>
Caps	Aeration	Aeration
Limiters (external)	0 mm	0 mm
Limiters (internal)	Thin washer 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 Red</u>	<u>CORE Green</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	20 teeth
Spur	83 teeth

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

TIRES

	FRONT	REAR
Tire brand / type	Elctron	postrons
Tire compound	Clay	Clay
Tire insert	Closed-cell	Closed-cell