Schumacher ATOM 3

Setup: My Base Setup · Nelson Tong · May 4, 2023

so dialed
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TRACK

Track	TSW RACING TRACK
Type	Outdoor asphalt
Grip / moisture	Low / Dry
Surface / layout	Medium / Medium
Air temp	30°C (86°F)

RESULTS

Race type	Practice
Best lap	9.4 s
Average lap	9.78 s

FRONT SUSPENSION

Ackermann: outer steering link position	Rear
Bump steer: outer steering link shims	1 mm
Camber strap	1 degree CF
Caster	5 degrees
Droop	0.4 mm
Kingpin shims - lower	0.5 mm
Kingpin shims - upper	0 mm
Lower plate	Carbon fiber
Lower plate shims - F	3 mm
Lower plate shims - R	1 mm
Ride height	6.8 mm
Servo saver	25T
Steering blocks	Plastic
Steering lock in	25 degrees
Toe out	+1 degrees
Toe: steering link length	15.9 mm
Track: wheel shims	0 mm

TIRES

	FRONT	REAR
Tire additive area	10 mm	Inside, Mid-in, Mid-out, Outside
Tire additive off time	3 min	4 mm
Tire additive on time	6 min	30 mm
Tire brand / type	Matrix	Matrix
Tire diameter	42 mm	44 mm
Tire shore	35	35

Sidewall glue	Yes
Tire additive	SXT 3.0

REAR SUSPENSION

Anti-squat	4.2 mm
Center pivot shims	0 mm
Center pivot type	Kit
Droop	1.0 mm
Multi-mount	Carbon fiber
Pod	Carbon fiber
Pod link shims - F	0 mm
Ride height	7.0 mm
Ride height: axle inserts	0 mm
Track width	164.5 mm

TRACK

Axle shims - L	3 mm
Axle shims - R	0.5 mm

BODY & CHASSIS

Battery position	3
Body	Montech GT12 Lambogini

BODY

F/R offset	0 mm
Front height	6 mm
Front post hanger	3
Front post hole	5
Rear post hanger	6
Rear post hole	7

FLEX

Chassis	Carbon fiber
Top deck	Carbon fiber
Top deck posts	Front, Mid
Motor shims	0 mm
Rear wing height	100 mm
Rear wing position	Rear

WEIGHT

Front center	0 g
Mid-left	45 g
Mid-right	45 g
Total	952 g
Under battery	35 g

SHOCKS

Center tube damper fluid	30,000 cst
Damper fluid brand	CORE
Front springs	Silver
Kingpin damper fluid	12,000 cst
Rear spring	Red dot
Rear spring pre-load	0 mm
Side springs	Red dot
Side tube damper fluid	15,000 cst

DRIVETRAIN

Axle	Steel
Differential balls	Steel
Differential fluid	1,000 cst
Differential tightness	Full tight, then back off 1 turn
Differential type	Gear
Gear pitch	48
Motor fan	30mm
Pinion	33 teeth
Spur	60 teeth

ELECTRONICS

ESC brand	Hobbywing
ESC model	G2S 160A
Motor brand	Muchmore
Motor Kv constant	2100 Kv
Motor model	Much more V3
Motor timing	35 degrees
Receiver brand	Futaba
Servo brand	Power HD
Servo model	M8HV

ESC SETTINGS

Boost: Activation	No

BRAKE

Drag	7 %
Frequency	8k kHz

THROTTLE

Curve	Linear
Frequency	4k kHz
Turbo: Timing	Zero degrees