Mugen MTC2

Setup: My Base Setup Copy · Michael Erwin V. Santos · Jul 24, 2022

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TRACK

Track	STR
Type	Outdoor asphalt
Grip / moisture	Low / Dusty
Surface / layout	Medium / Medium

FRONT SUSPENSION

Anti-roll bar	1.2mm (#A2153/12)
Axle height: upright spacers - up/down	2 / 0 mm
Camber	-2 degrees
Caster	4 degrees
Downstop	5.4 mm
Lower arm FF spacers	1.5 mm
Lower arm FR spacers	1.5 mm
Lower arms	Kit
Ride height	5.0 mm
Servo horn length	17.5 mm
Servo horn shims	4 mm
Shock tower	Standard
SHOCKS	
Arm mount location	B - Outside
Upper mount spacers	3.5 mm
Steering angle - in/out	— / 17 degrees
Steering arms	Kit
STEERING LINK	
Inner stud spacers	0 mm
Outer stud location	A - Back
Outer stud spacers	3.0 mm
Steering: Ackermann shims	1.0 mm
Toe	1 degrees
Track: wheel hexes	+4mm
Upper arm FF spacers	1.0 mm
Upper arm FR spacers	1.0 mm
Upper arms	Kit (#A2148A/B)

ELECTRONICS

Battery brand	Nosram
Battery capacity	5700 mAh
Battery model	ULCG
ESC brand	Hobbywing
ESC model	XR10 pro 80 amps
ESC settings	Boosted
Motor brand	Surpass Hobby
Motor model	V5R
Motor timing	45 degrees
Motor wind	17.5 turns

REAR SUSPENSION

Anti-roll bar	1.1mm (#A2153/11)
Axle height: upright spacers - up/down	2 / 0.5 mm
Camber	-2 degrees
Caster	-3 degrees
Downstop	4.4 mm
Lower arm RF spacers	2.0 mm
Lower arm RR spacers	2.0 mm
Lower arms	Kit
Ride height	5.6 mm
Shock tower	Standard
SHOCKS	
Arm mount location	A - Inside
Upper mount spacers	3.5 mm
Toe	1.5 degrees
TOE LINK	
Outer stud location	B - Back
Outer stud spacers	3.0 mm
Track: wheel hexes	+4.5mm
Upper arm RF spacers	1.0 mm
Upper arm RR spacers	1.0 mm
Upper arms	Kit (#A2148A/B)

BODY & CHASSIS

Battery position	Rear
Body	Twister
Chassis	Graphite
Flex plate screws	All
Motor mount screws	1 - Front, 4
Rear wing position	+0mm
Upper deck	2mm
Upper deck screws	4
Weight balance (F/R)	49 / 51
Weight: total	1324 g
Weights: optional	A2705, A2706

SHOCKS

	FRONT	REAR
Oil weight	35 wt	35 wt
Pistons	4 x 1.3mm	4 x 1.3mm
Rebound	0 %	0 %
Springs	7.0P	6.25T medium
Stroke	9.5 mm	10 mm
Shock oil brand	AXON	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	–	10,000 cst
Diff fluid brand	Hudy	
Front diff type	Solid axle	
Rear diff oil mass	1.3-1.6 g	

DRIVETRAIN

Drive ratio - final	3.84
Drive ratio - internal	1.9
Driveshafts - front	Universal
Driveshafts - rear	CV
Gear pitch	64
Pinion	45 teeth
Spur	81 teeth

TIRES

	FRONT	REAR
Tire brand / type	Sweep Radials	Sweep Radials
Tire compound	Mighty Gripper Yellow	Mighty Gripper Yellow
Wheel brand / type	Rush 36X	Rush 36X