Mugen MBX8 ECO Team Edition

Setup: My Base Setup · Jun 5, 2022

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TRACK

Track	Sandpit rc
Type	Outdoor hard-packed

FRONT SUSPENSION

Anti-roll bar	2.3mm
Droop (shock length)	104 mm
FF (A) mount inserts	Middle
FR (B) mount inserts	Middle
Hub carrier	0 trail
LOWER ARM	
Pillow ball spacers	1.0 mm
Pillow balls	Kit
Stiffeners	1.0mm Carbon fiber
Ride height	25 mm
SHOCKS	
Arm mounting hole	B - Outside
Arm pivot ball orientation	Front
Tower mounting hole	3
Steering block arm	-3mm
Steering link: inner stud location	1 - Front
Steering plate - upper	Plastic
Toe	-1 degrees
Tower	Aluminum
Track: wheel hexes	+2mm
Upper arm spacers (caster)	Front 2mm / rear 2mm
UPPER ARM	
Mount inserts - front	Middle
Mount inserts - rear	Middle
Pillow ball spacers	1.0 mm
Pillow balls	Kit
Wheelbase: lower arm spacers	0 mm

ELECTRONICS

Battery brand	Lipo factory 5200 low profile
Battery C rating	100
Battery capacity	5200 mAh
Battery model	Lipo factory
ESC brand	Hobbywing
ESC model	Xr8 pro
Motor brand	Maclan
Motor Kv constant	2050 Kv

REAR SUSPENSION

Anti-roll bar	2.5mm
Arm stiffeners	1.0mm Carbon fiber
Axle height: hub pin hole	High (low pin)
Camber	-3 degrees
CAMBER LINK	
Inner stud location	3 - Inside top
Outer stud location	C - Outside
Droop (shock length)	122 mm
Hubs	Plastic
RF (C) mount inserts	Middle
RF (C) mounts	0mm
Ride height	26 mm
RR (D) mount inserts	Bottom middle
SHOCKS	
Arm mounting hole	B - Outside
Arm pivot ball orientation	Front
Tower mounting hole	3
Toe	-2.5 degrees
Tower	Aluminum high wing
Track: wheel hexes	0mm
WHEELBASE	
Arm spacers	0 mm
Hub spacers	Front 2.5mm / rear 2.5mm

BODY & CHASSIS

Body	Kit
Chassis brace - front	Short
Chassis brace - rear	Kit
Rear wing	Kit
Rear wing height	2
Rear wing mount	Kit
Rear wing position	Middle

SHOCKS

	FRONT	REAR
Oil weight	500 cst	500 cst
Pistons	8x1.3 bypass blue spacer	8x1.3 bypass green spacer
Springs	70mm 1.6mm x 9.0T	86mm 1.6mm x 11.0T
Stroke	33 mm	40 mm
Shock oil brand	Pt oils	

NOTES Emulsion shock caps all around

DIFFERENTIALS

	FRONT	REAR
Diff fluid	7,000 cst	4,000 cst
Diff ring/pinion	44/13 teeth	44/13 teeth
Diff type	High traction	High traction
Center diff fluid	7,000 cst	
Center diff type	High traction 46T	

DRIVETRAIN

Center shafts	Low friction CVD (#E2261, #E2262)
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	15 teeth
Spur	46 teeth

TIRES

	FRONT	REAR
Tire brand / type	Rawspeed assassin	Rawspeed assassin
Tire compound	Super soft	Super soft
Tire insert	Closed-cell	Closed-cell
Tire prep	None	None
Wheel brand / type	Rawspeed	Rawspeed