Mugen MBX8 ECO Team Edition

Setup: Sandpit indoor track winter setup · Jun 5, 2022

so dialed
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TRACK

Track	Sandpit rc
Type	Indoor loose/loamy
Grip / moisture	Low / Wet
Surface / layout	Bumpy / Medium
Track temp	25°F (-4°C)

FRONT SUSPENSION

Anti-roll bar	2.2mm
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

NOTES No inserts in front arms

ELECTRONICS

Battery brand	Fantom
Battery C rating	100
Battery capacity	5200 mAh
Battery model	Fantom graphemes lcg
ESC brand	Fantom
ESC model	Fr8
Motor brand	Fantom
Motor Kv constant	2150 Kv

REAR SUSPENSION

Anti-roll bar	Team associated 2.4 rear sway bar
Arm stiffeners	None
Axle height: hub pin hole	High (low pin)
Camber	-3 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	C - Outside
Droop (shock length)	120 mm
Hubs	Plastic
RF (C) mount inserts	Bottom
RF (C) mounts	0mm
Ride height	26 mm
RR (D) mount inserts	Bottom outside
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	+2mm
WHEELBASE	
Arm spacers	1 mm
Hub spacers	Front 2.5mm / rear 2.5mm

NOTES Rear arms on inside spaces forward outside spaces rear ward avid +3 mm shock standoffs rear universals

TIRES

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

SHOCKS

	FRONT	REAR
Oil weight	500 cst	400 cst
Pistons	8x1.3 bypass blue spacer 2 3x1.25 3x1.35	8x1.3 bypass green spacer 3x1.5 3x1.3
Springs	70mm 1.6mm x 9.0T	86mm 1.6mm x 10.75T
Stroke	33 mm	40 mm
Shock oil brand	Pt oils	

NOTES Emulsion shock caps all around m2c

DIFFERENTIALS

	FRONT	REAR
Diff fluid	8,000 cst	3,000 cst
Diff ring/pinion	44/13 teeth	44/13 teeth
Diff type	High traction	High traction
Center diff fluid	6,000 cst	
Center diff type	High traction 46T	

DRIVETRAIN

Center shafts	Universal (#E2228, #E2229)
Driveshafts - front	CVD
Driveshafts - rear	Universal
Pinion	15 teeth
Spur	46 teeth

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

NOTES Jconcepts s15