Mugen MBX8 Worlds Edition

Setup: My Base Setup · Dionysis Sikelianos · Nov 11, 2020

so dialed
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FRONT SUSPENSION

Anti-roll bar	2.3mm
Droop	105 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
Tower mounting hole	3
Steering block arm	-3mm
Steering link: inner stud location	3
Steering plate - upper	Graphite
Toe	-1 degrees
Tower	Aluminum
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
Wheel hex	+1mm
Wheelbase (lower arm spacers)	0 mm

REAR SUSPENSION

Anti-roll bar	2.6mm
Arm stiffeners	1.0mm Carbon fiber
Axle height (hub pin hole)	Low (high pin)
Camber	-2.5 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	C - Outside
Droop	119 mm
Hubs	Plastic
RF (C) mount inserts	Middle
RF (C) mounts	0mm
Ride height	27 mm
RR (D) mount inserts	Bottom outside
SHOCKS	
Arm mounting hole	B - Outside
Arm pivot ball orientation	Front
Tower mounting hole	5 - Outside
Toe	-3.5 degrees
Tower	Aluminum
Wheel hex	+1mm
Wheelbase (arm spacers)	0 mm
Wheelbase (hub spacers)	Front 2.5mm / rear 2.5mm

ENGINE

Engine model	Os b2103 s

TIRES

	FRONT	REAR
Tire brand / type	Aka impact	Aka impact
Tire compound	Soft longwear	Soft longwear

SHOCKS

	FRONT	REAR
Oil weight	500 cst	500 cst
Pistons	8 x 1.2mm	8 x 1.3mm
Rebound	90 %	0 %
Springs	70mm 1.6mm x 9.25T	86mm 1.6mm x 10.75T
Stroke	33 mm	40 mm
Shock oil brand	Mugen Seiki	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	7,000 cst	2,000 cst
Diff ring/pinion	42/12 teeth	42/12 teeth
Center diff fluid	5,000 cst	
Center diff type	High traction 46T	

DRIVETRAIN

Brake bias	Front 50 / rear 50
Center shafts	Low friction CVD (#E2261, #E2262)
Clutch shoes & springs	3 aluminum alpha with middle spring
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	13 teeth
Spur	46 teeth

BODY & CHASSIS

Body	Kit
Chassis brace - front	Short
Chassis brace - rear	Kit
Engine mount	Kingheadz
Rear wing	Kit
Rear wing height	3
Rear wing mount	Kit
Rear wing position	Middle