Mugen MBX8 ECO

Setup: My Base Setup · Charles Dekeado (Magen Seiki) · Jun 5, 2022

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TRACK

Track	ARCOR
Type	Outdoor hard-packed

FRONT SUSPENSION

Anti-roll bar	2.3mm
Droop (shock length)	105 mm
FF (A) mount inserts	Middle
FR (B) mount inserts	Middle
Hub carrier	1.5mm trail
LOWER ARM	
Pillow ball spacers	1.0 mm
Pillow balls	Kit
Stiffeners	Plastic
Ride height	25 mm
SHOCKS	
Arm mounting hole	B - Outside
Arm pivot ball orientation	Front
Tower mounting hole	2
Steering block arm	Standard
Steering link: inner stud location	3
Steering plate - upper	Plastic
Toe	26mm links degrees
Tower	Aluminum
Track: wheel hexes	+2mm
Upper arm spacers (caster)	Front 1.5mm/ rear 4mm
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

REAR SUSPENSION

Anti-roll bar	2.5mm
Arm stiffeners	7R arms/8X arms with plastic stiffner
Axle height: hub pin hole	High (low pin)
Camber	-3 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	B - Middle
Droop (shock length)	118 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	2
Toe	-2.5 degrees
Tower	Aluminum
Track: wheel hexes	+2mm
WHEELBASE	
Arm spacers	0 mm
Hub spacers	Front 2.5mm/ rear 3.5mm

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	550 cst	450 cst
Pistons	6x 1.35 Bypass1 clear valve	6 x 1.35 Bypass1 Blue valve
Rebound	0 %	0 %
Springs	70mm 1.6mm x 9.0T	86mm 1.6mm x 10.75T
Stroke	33 mm	40 mm
Shock oil brand	Flash Point	

NOTES FP red bladders for tracks with bigger jumps/smoother
Mugen cleat bladders in rougher tracks.
Lone end out on bottom mount

DIFFERENTIALS

	FRONT	REAR
Diff fluid	7,000 cst	3,000 cst
Diff ring/pinion	44/13 teeth	44/13 teeth
Center diff fluid	6,000 cst	
Center diff type	Kit	

DRIVETRAIN

Center shafts	Universal (#E2228, #E2229)
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	17 teeth
Spur	46 teeth

TIRES

	FRONT	REAR
Tire brand / type	AKA Impact	AKA Impact
Tire compound	SLW	SLW
Tire insert	AKA Red insert inner rib cut out	AKA Red insert inner rib cut out
Wheel brand / type	AKA	AKA

ELECTRONICS

Battery brand	**SMC**
Battery C rating	**120**
Battery capacity	**4500 mAh**
Battery model	**Pro spec LCG old style deans**
ESC brand	**Hobbywing**
ESC model	**XR8 Plus 150A**
ESC settings	**HW Punch 9, Brake 75%**
Motor brand	**Hobbywing**
Motor Kv constant	**1900 Kv**
Motor model	**Xerun 4268SD G2 Sensored**
Motor timing	**0 degrees**
Radio brand	**Spektrum RC**
Radio EPA steering	**115 %**
Radio EPA throttle	**88 %**
Radio model	**DX6R**
Receiver brand	**Spektrum RC**
Receiver model	**Spektrum SR2010**
Steering servo brand	**Xpert**
Steering servo model	**Xpert GS-6401 R2/BLS 25t FP Aluminum Horn**
Transponder ID	**5042551**