Mugen MBX8

Setup: Test setup medium grip · Charles Dekeado (Magen Seiki) · Dec 6, 2020

so dialed
Open/save in RC Setup App →

Scan to open in the app

TRACK

Track	Arcor Raceway
Type	Outdoor hard-packed
Grip / moisture	Medium / Wet
Surface / layout	Bumpy / Medium
Air temp	68°F (20°C)

FRONT SUSPENSION

Anti-roll bar	2.2mm
Droop (shock length)	105 mm
FF (A) mount inserts	Middle
FR (B) mount inserts	Top
Hub carrier	0 trail
LOWER ARM	
Pillow ball spacers	1.0 mm
Pillow balls	Kit
Stiffeners	Plastic
Ride height	25 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	1 - Inside
Steering block arm	-3mm
Steering link: inner stud location	4
Steering plate - upper	Plastic
Toe	28.5mm link length degrees
Tower	Aluminum
Track: wheel hexes	0mm
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

BODY & CHASSIS

Body	Kit
Chassis brace - front	Short
Chassis brace - rear	Kit
Engine mount	M2C Quick Change 2-Piece
Rear wing	#1068 White
Rear wing height	3
Rear wing mount	Kit
Rear wing position	Front

REAR SUSPENSION

Anti-roll bar	2.5mm
Arm stiffeners	Plastic
Axle height: hub pin hole	High (low pin)
Camber	20mm link length degrees
CAMBER LINK	
Inner stud location	3 - Inside top
Outer stud location	C - Outside
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 outside
SHOCKS	
Arm mounting hole	B - Outside
Arm pivot ball orientation	Rear
Tower mounting hole	5 - Outside
Toe	-3 degrees
Tower	Aluminum
Track: wheel hexes	+2mm
WHEELBASE	
Arm spacers	0 mm
Hub spacers	Front 2.5mm / rear 2.5mm

ENGINE

Engine brand	O.S. Speed
Engine model	Adam Drake
Fuel	Flashpoint 30%
Glow plug	O.S. P3 Gold
Head clearance	Box stock
Pipe / header	Flashpoint Combo

NOTES Right at the 8 gallon mark
10 min stops
Temping around 200f all day
Air filter pre-filter used as always

ELECTRONICS

Radio brand	Spektrum
Radio EPA steering	125 %
Radio EPA throttle	70 %
Radio model	DX6R
Receiver battery	Flashpoint 2500mAh
Receiver brand	Spektrum
Receiver model	SR2010
Steering servo brand	Xpert
Steering servo model	GS-6401-R2
Throttle servo brand	Xpert
Throttle servo model	GS-6401-R2

SHOCKS

	FRONT	REAR
Oil weight	500 cst	425 cst
Pistons	5 x 1.45mm Flat Piston	5 x 1.45mm Flat Piston
Rebound	0 %	–
Springs	70mm 1.6mm x 9.25T	86mm 1.6mm x 10.75T
Stroke	34 mm	42 mm
Shock oil brand	Flash Point	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	9,000 cst	4,000 cst
Diff ring/pinion	44/13 teeth	42/12 teeth
Center diff fluid	4,000 cst	
Center diff type	Kit	
Diff fluid brand	PT/Flashpoint	

NOTES Overdrive 44/13 in front
No shims behind small spider gears

DRIVETRAIN

Brake bias	Front 60 / rear 40
Center shafts	Low friction CVD (#E2261, #E2262)
Clutch shoes & springs	BuKu 3-shoe custom setting
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	13t Mugen vented bell w/Boca 7822 Heli Bearings teeth
Spur	47 teeth

TIRES

	FRONT	REAR
Tire brand / type	AKA Impact	AKA Impact
Tire compound	SSLW	SSLW
Tire insert	Close Cell Red	Closed Cell Red
Tire prep	Completely de-ribbed	Completely de-ribbed
Wheel brand / type	AKA Evo White	AKA Evo White