Mugen MBX8

Setup: Amarillo Raceway Park/Base MBX8WE · Charles Dekeado (Magen Seiki) · Jul 19, 2021

so dialed
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EVENT

Event	All

TRACK

Track	Overlook raceway
Type	Outdoor loose/loamy
Grip / moisture	Medium / Wet
Surface / layout	Medium / Tight
Air temp	80°F (27°C)
Track temp	70°F (21°C)

FRONT SUSPENSION

Anti-roll bar	2.1mm
Droop (shock length)	105 mm
FF (A) mount inserts	Top
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	3
Steering block arm	-3mm
Steering link: inner stud location	4
Steering plate - upper	Plastic
Toe	29.5 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

NOTES 29.5mm link length

BODY & CHASSIS

Body	Kit
Chassis brace - front	Short
Chassis brace - rear	Kit
Engine mount	M2C quick change
Rear wing	Kit
Rear wing height	3
Rear wing mount	+15mm
Rear wing position	Front
Weights	20g Rear Mugen weight

REAR SUSPENSION

Anti-roll bar	2.3mm
Arm stiffeners	Plastic
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)	118.5 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	Rear
Tower mounting hole	1 - Inside
Toe	-2.5 degrees
Tower	Aluminum
Track: wheel hexes	+2mm
WHEELBASE	
Arm spacers	0 mm
Hub spacers	Front 2.5mm / rear 2.5mm

ENGINE

Engine brand	Flashpoint
Engine model	FP02
Fuel	Flashpoint
Glow plug	P3 Gold
Pipe / header	FLashpoint combo

NOTES Fresh engine from Adam Drake after break in service. End of day were tanks 6 and 7 and was really feeling smooth

SHOCKS

	FRONT	REAR
Oil weight	550 cst	500 cst
Pistons	MIP Bypass1 6-home (3x1.35/3.1.45) clear valve	MIP Bypass1 6-hole (3x1.35/3x1.50)
Rebound	0 %	–
Springs	70mm 1.6mm x 9.25T	86mm 1.6mm x 10.75T
Stroke	34 mm	42 mm

Shock oil brand	Mugen Seiki

NOTES Mugen emulsion caps

DIFFERENTIALS

	FRONT	REAR
Diff fluid	8,000 cst	3,000 cst
Diff ring/pinion	44/13 teeth	42/12 teeth

Center diff fluid	3,000 cst
Center diff type	Kit

DRIVETRAIN

Brake bias	Front 60 / rear 40
Center shafts	Low friction CVD (#E2261, #E2262)
Clutch shoes & springs	3 shoe Buku Komposite adjustable with Mugen vented bell
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	13 teeth
Spur	47 teeth

TIRES

	FRONT	REAR
Tire brand / type	**Hot Race/Bangkok V2/New**	**Hot Race/Bangkok/V2/New**
Tire compound	**Soft**	**Soft**
Tire insert	**Closed Cell Blue**	**Closed Cell Blue**
Tire prep	**None new insert**	**None new insert**
Wheel brand / type	**Aka**	**Aka**

NOTES Brand new Bangkok V2 we’re the best all around on the wet/dry track. Alaska were better when the track was much more dry which didn’t happen much. Both were in Soft compound. 79-85f, cloudy with patchy sun.

ELECTRONICS

Radio brand	**Sanwa/Airtronics**
Radio model	**M12s**
Receiver battery	**Flashpoint 2500**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX-472**
Steering servo brand	**Xpert**
Steering servo model	**AS-8601 BLS**
Throttle servo brand	**Xpert**
Throttle servo model	**SI-4531 BLS**