Mugen MBX8R ECO

Setup: Late 2023 · Ryan Joyner (Mugen Seiki) · Jan 12, 2025

so dialed
Open/save in RC Setup App →

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EVENT

Event	All

TRACK

Track	All
Type	Outdoor loose/loamy
Grip / moisture	Low/Medium / Dry/Wet
Surface / layout	Smooth/Medium / Tight/Medium

FRONT SUSPENSION

Ackermann: inner steering stud location	3
Anti-roll bar	2.2mm
Bump steer: outer steering link shims	0 mm
Caster: upper arm shims - F/R	2 / 2 mm
Droop (shock length)	Droop, +4 mm
FF mount inserts	Middle
FR mount inserts	Middle
Lower arm stiffeners	Plastic
Lower arms	Standard
Ride height	26 mm

SHOCKS

Arm mount ball	Forward
Arm mounting hole	B - Outside
Tower mounting hole	3
Steering block arm	-3mm
Toe	-1 degrees
Tower	Aluminum

TRACK

Lower pillow ball shims	1.0 mm
Upper pillow ball shims	1.0 mm
Wheel hexes	0mm
Trail: uprights	0 trail

UPPER ARM

Mount inserts - front	Center
Mount inserts - rear	Center
Wheelbase: lower arm shims - F/R	0 / 1 mm

REAR SUSPENSION

Anti-roll bar	2.4
Arm stiffeners	Plastic MBX8R
Arms	Standard
Axle height: hub pin hole	Low (high pin)
Camber	-3 degrees

CAMBER LINK

Inner stud location	1 - Inside bottom
Outer ball shims - F/R	0 / 6 mm
Outer plate orientation	Notch outward
Outer plates	3-dot
Outer stud location	B - Middle
Droop (shock length)	Droop, -6 mm
Hubs	Standard
RF mount inserts	Center
Ride height	28 mm
RR mount inserts	Down and out

SHOCKS

Arm mount ball	Forward
Arm mounting hole	B - Outside
Tower mounting hole	3
Toe	2.5 degrees
Tower	Aluminum
Track: wheel hexes	0mm

WHEELBASE

Arm shims - F/R	0 / 1 mm
Hub shims - F/R	2.5 / 2.5 mm

ELECTRONICS

Motor brand	Hobbywing
Motor Kv constant	2200 Kv
Motor model	4268 g3

SHOCKS

	FRONT	REAR
Oil weight	600 cst	600 cst
Pistons	8 x 1.2mm	8 x 1.3mm
Shock type	Emulsion	Emulsion
Springs	70mm 1.6mm x 9.5T	86mm 1.6mm x 10.75T
Stroke	33 mm	40.5 mm
Shock oil brand	Ultimate	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	10,000 cst	10,000 cst
Diff ring/pinion	44/13 teeth	44/13 teeth
Center diff fluid	10,000 cst	

DRIVETRAIN

Drive ratio - internal	3.385
Driveshaft - center front	Standard
Driveshaft - center rear	Standard
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	15 teeth
Spur	46 teeth

BODY & CHASSIS

Body	Kit
Chassis brace - front	Short
Rear wing	JT
Rear wing height	1 - Bottom
Rear wing mount	Standard
Rear wing position	Mid-front