Mugen MBX8R

Setup: 2025 Base · thomas schwaiger · Oct 28, 2025

so dialed
Open/save in RC Setup App →

Scan to open in the app

TRACK

Track	Any
Type	Outdoor hard-packed
Grip / moisture	Medium/Low / Dusty/Dry
Surface / layout	Smooth / Medium/Tight
Air temp	25°C (77°F)

FRONT SUSPENSION

Ackermann: inner steering stud location	3
Anti-roll bar	2.3mm
Bumpsteer: outer steering link spacer	0 mm
Caster: upper arm shims - F/R	2 / 2 mm
Droop (shock length)	104 mm
FF mount inserts	Middle
FR mount inserts	Middle
Lower arm: stiffeners	Plastic
Lower arms	Standard
Ride height	24 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	+1mm
Trail: uprights	0 trail

UPPER ARM

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

BODY & CHASSIS

Body	Kit
Chassis brace - front	Long
Engine mount	One piece
Rear wing	Kit
Rear wing height	1 - Bottom
Rear wing mount	Standard
Rear wing position	Mid-front

REAR SUSPENSION

Anti-roll bar	2.7mm
Arm stiffeners	Plastic MBX8R
Arms	Standard
Axle height: hub pin hole	Low (high pin)
Camber	-3 degrees

CAMBER LINK

Inner stud location	2 - Inside middle
Outer ball shims - F/R	3/3 mm
Outer plate orientation	Notch inward
Outer plates	3-dot
Outer stud location	C - Outside
Droop (shock length)	118 mm
Hubs	Standard
RF mount inserts	Center
Ride height	27 mm
RR mount inserts	Center

SHOCKS

Arm mount ball	Forward
Arm mounting hole	B - Outside
Tower mounting hole	3
Toe	2 degrees
Tower	Aluminum
Track: wheel hexes	+1mm

WHEELBASE

Arm shims - F/R	0 / 1 mm
Hub shims - F/R	1.5/3.5 mm

ENGINE

Engine brand	Ultimate
Engine model	M5S

SHOCKS

	FRONT	REAR
Oil weight	600 cst	500 cst
Pistons	6 x 1.4mm Ultimate	6 x 1.4mm Ultimate
Shock type	Emulsion	Emulsion
Springs	70mm 1.6mm x 9.25T	86mm 1.6mm x 10.75T
Stroke	32 mm	40 mm

Shock oil brand	Ultimate

DIFFERENTIALS

	FRONT	REAR
Diff fluid	10,000 cst	4,000 cst
Diff ring/pinion	42/12 teeth	42/12 teeth

Center diff fluid	8,000 cst

DRIVETRAIN

Brake bias - F/R	- / -
Clutch shoes	Aluminum x 2 Carbon x 2
Clutch spring position	Dot
Clutch springs	0.95mm
Drive ratio - internal	3.5
Driveshaft - center front	Standard
Driveshaft - center rear	Standard
Driveshafts - front	Universal
Driveshafts - rear	CVD
Pinion	13 teeth
Spur	46 teeth

ELECTRONICS

Radio brand	Sanwa/Airtronics