Mugen MBX8TR ECO

Setup: Parklane Hobbies club race · Taylor DeLosa (Factory Team, Reedy, Klinik RC) · Jun 9, 2025

so dialed
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EVENT

Event	2nd club race

TRACK

Track	Parklane hobbies
Type	Outdoor loose/loamy
Grip / moisture	Low / Dusty
Surface / layout	Blown-out/Medium / Tight

FRONT SUSPENSION

Ackermann: inner steering link location	4
Anti-roll bar	2.4mm
Bump steer: outer steering link shims	0 mm
Camber	-3 degrees
Caster: upper arm shims - F	1 front, 3 shims rear mm
FF mount inserts	Bottom
FR mount inserts	Middle
Lower arm stiffeners	None
Lower arms	Lightweight
Pivot ball shims - lower	2 mm
Pivot ball shims - upper	2 mm
Pivot balls - lower	Aluminum
Pivot balls - upper	Aluminum
Ride height	34 mm
SHOCKS	
Arm mount ball	Forward
Arm mount hole	Middle
Tower mount hole	Middle
Steering block arm	-3mm
Toe	+1 degrees
Tower	Aluminum
Track: wheel hexes	+2mm
Trail: uprights	0 trail
UPPER ARM	
Mount inserts - front	Center
Mount inserts - rear	Center
Wheelbase: lower arm shims - F	0 mm

ELECTRONICS

Battery brand	Reedy
Battery model	4s shorty
Motor Kv constant	2250 Kv

REAR SUSPENSION

Anti-roll bar	2.7mm
Arm stiffeners	None
Arms	Lightweight
Axle height: hub pin hole	Low (high pin)
Camber	-2 degrees
CAMBER LINK	
Inner location	Inside bottom
Outer location	Outside
Outer plates	3-dot, Outside
Outer shims - R	6 mm
Hubs	Standard
RF mount inserts	Center
Ride height	38 mm
RR mount inserts	Down
SHOCKS	
Arm mount ball	Forward
Arm mount hole	Middle
Tower mount hole	Middle
Toe	2.75 degrees
Tower	Aluminum
Track: wheel hexes	Tekno +4
WHEELBASE	
Arm shims - F/R	1 mm
Hub shims - F	2.5 mm

NOTES +4mm extended shock mount

BODY & CHASSIS

	FRONT	REAR
Wing	–	Jconcepts Razor
Body		Jconcepts S15
Chassis brace - front		Short
Rear wing height		Mid-top
Rear wing mount		Tworks carbon fiber
Rear wing position		2 - Mid-front
Screws & turnbuckles		Klinik RC titanium
Weights		20g rear

SHOCKS

	FRONT	REAR
Oil weight	50 wt	600 cst
Pistons	MIP 6 hole	MIP 6 hole
Shock length	103 mm	128 mm
Shock type	Emulsion	Emulsion
Springs	75mm 1.5mm 7.5T	86mm 1.6mm 9T
Stroke	32 mm	46 mm
Shock oil brand	Team Associated	

NOTES Clear valve front
Blue valve rear
Drilled out per Adam Drake spec

DIFFERENTIALS

	FRONT	REAR
Diff fluid	10,000 cst	7,000 cst
Diff ring/pinion	46/10 teeth	46/10 teeth
Center diff fluid	10,000 cst	

NOTES Steel spur gear

DRIVETRAIN

Drive ratio - internal	4.6
Driveshaft - center front	Dogbone
Driveshaft - center rear	Dogbone
Driveshafts - front	Universal
Driveshafts - rear	CVD
Pinion	15 teeth
Spur	46 teeth

NOTES Steel spur gear
Center diff - no internal shims