Mayako MX8E-24R

Setup: Barnesville practice 7/13/24 · Richard Bratton · Jul 23, 2024

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EVENT

Event	Practice
Class	Pro E-Buggy

TRACK

Track	The Barne (Barnesville, GA)
Type	Outdoor hard-packed
Grip / moisture	High/Medium / Dusty/Dry
Surface / layout	Medium/Bumpy / Medium
Air temp	100°F (38°C)
Track temp	105°F (41°C)

FRONT SUSPENSION

A plate	0 mm
A plate inserts	-0.5 mm
ACKERMANN	
Inner steering link location	1 - Front
Outer steering link location	In
Steering arm	1 - Long
Anti-roll bar	2.2mm
Arm stiffeners	Plastic
Axle height: knuckle position	Down
B plate	0 mm
B plate inserts	+0.5 mm
BUMP STEER	
Inner steering link height	Up
Inner steering link shims	1 mm
Outer steering link height	Up
Outer steering link shims	0 mm
Camber	-2 degrees
Camber link type	Links
CAMBER LINK	
Inner location	1 - Up
Outer location	Up 3 - Out
Camber: link length	28.5 mm
Caster: c-hubs	+1 degrees
Differential height	0 mm
Downtravel	+4 mm
KPI	1 degrees
Ride height	25 mm
Servo saver	No
SHOCKS	
Arm mounts	3 - Out
Tower mounts	1 - In
Toe	-1.5 degrees
Toe: steering link length	40.2 mm
Tower	Aluminum
Tower height	0 mm
Track: wheel hexes	5 mm
Wheelbase: arm position	Mid

NOTES Blocks: A50/B50

REAR SUSPENSION

Anti-roll bar	2.5mm
Arm stiffeners	Carbon
Axle height: hub inserts	Mid mm
C plate	+2 mm
C plate inserts	+1 mm
Camber	-1 degrees
Camber link type	Links
CAMBER LINK	
Inner location	2 - Mid
Outer location	Opt hub: 4 - Up & out
Camber: link length	34.5 mm
D plate	+2 mm
D plate inserts	-1 mm
Differential height	+1 mm
Downtravel	-5 mm
Hubs	MPC 3-piece
MPC HUB	
Arm inserts	Mid
Hub inserts	Mid
Link height shims	3 mm
Link length shims	2 mm
Ride height	27 mm
SHOCKS	
Arm mounts	2 - Mid
Tower mounts	3
TOE	
C/D plates	1.5 degrees
Hubs	+1 degrees
Total	2.5 degrees
Tower	Carbon
Tower height	+1 mm
Track: wheel hexes	6 mm
Wheelbase: hub spacers - F	2 mm

NOTES 53/57 C/D block
Trimmed rear 1mm diff shim

TIRES

	FRONT	REAR
Tire brand / type	JC / Stalker	JC /Stalker
Tire compound	Aqua 1	Aqua 1
Tire insert	JC closed cell	JC Closed Cell
Wheel brand / type	JC	JC

SHOCKS

	FRONT	REAR
Oil weight	650 cst	550 cst
Pistons	VRP 20H w/blue plate	VRP 20H w/blue plate
Rebound	0 %	0 %
Shock length	-4 mm	+5 mm
Shock type	Emulsion	Emulsion
Springs	TLR Gray (5.1lb)	80mm 10.25T Black
Stroke	34.5 mm	41.5 mm

Front eyelets	Short
Shock oil brand	VRP

NOTES TLR front springs = Mayako black

DIFFERENTIALS

	FRONT	REAR
Diff fluid	30K (580) cst	10K (485) cst
Diff mass	2.7 g	2.7 g

Center diff fluid	20K (440) cst
Center diff mass	6.0 g
Diff crown gear	45 teeth
Diff pinion gear	14 teeth

NOTES (###) ~diff analyzer

DRIVETRAIN

Drive ratio - internal	3.111
Driveshafts - front	CVD
Driveshafts - rear	91mm Universal
Pinion	15 teeth
Spur	48 teeth

BODY & CHASSIS

Battery position	Mid
Battery size	LCG Genace Redline 6000
Body	Standard
Rear wing	Standard
Rear wing gurney	Big
Rear wing height	Up
Rear wing position	3
Screws & turnbuckles	Ti screws and turnbuckles
Weight balance - F/R	49 / 51 %
Weight: total	3463 g

ELECTRONICS

Battery brand	**Gens Ace**
Battery capacity	**6000 mAh**
Battery model	**Redline LCG**
Motor brand	**Hobbywing**
Motor model	**4268SD**
Motor timing	**30 degrees**

ESC SETTINGS

BOOST

Activation	**N/A**
Ramp	**N/A**
RPM End	**N/A rpm**
RPM Start	**N/A rpm**
Timing	**N/A degrees**

BRAKE

Curve	**Traditional**
Drag	**0 %**
Frequency	**1K kHz**
Initial strength	**1 %**
Strength	**85% on ESC**

THROTTLE

Curve	**Linear**
Frequency	**8K kHz**
Initial strength	**1 %**
Neutral range	**8 %**
Strength	**100%**

TURBO

Activation method	**N/A**
Delay	**N/A seconds**
Ramp	**N/A**
Timing	**N/A degrees**