Mayako MX8E-24R

Setup: Barnesville 6/22/24 club race · Richard Bratton · Jul 4, 2024

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EVENT	
Event	6/22/24 club race
Class	Pro E-Buggy

TRACK	
Track	The Barne (Barnesville, GA)
Type	Outdoor clay
Grip / moisture	High / Dusty/Dry
Surface / layout	Medium / Medium
Air temp	95°F (35°C)
Track temp	105°F (41°C)

RESULTS	
Race type	Main
Finish	6th
Best lap	32.8 s
Average lap	35.6 s

FRONT SUSPENSION

A plate	+1 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	2.4mm
Arm stiffeners	Plastic
Axle height: knuckle position	Mid
B plate	+1 mm
B plate inserts	+0.5 mm
BUMP STEER	
Inner steering link height	Up
Inner steering link shims	1 mm
Outer steering link height	Down
Outer steering link shims	0 mm
Camber	-1 degrees
Camber link type	Links
CAMBER LINK	
Inner location	3 - Down
Outer location	Down 3 - Out
Camber: link length	29.5 mm
Caster: c-hubs	+1 degrees
Differential height	+1 mm
Downtravel	+4 mm
KPI	1 degrees
Ride height	24 mm
Servo saver	No
SHOCKS	
Arm mounts	2 - Mid
Tower mounts	3 - Out
Toe	-1.5 degrees
Toe: steering link length	40.3 mm
Tower	Aluminum
Tower height	+1 mm
Track: wheel hexes	5 mm
Wheelbase: arm position	Mid

NOTES Blocks: A50/B50

REAR SUSPENSION

Anti-roll bar	2.6mm
Arm stiffeners	Carbon
Axle height: hub inserts	Mid mm
C plate	+1 mm
C plate inserts	+0.5 mm
Camber	-2 degrees
Camber link type	Links
CAMBER LINK	
Inner location	2 - Mid
Outer location	3pc out & down
Camber: link length	35.8 mm
D plate	+1 mm
D plate inserts	-0.5 mm
Differential height	+1 mm
Downtravel	-5 mm
Hubs	MPC 3-piece
MPC HUB	
Arm inserts	Standard arms
Hub inserts	Mid
Link height shims	2 mm
Link length shims	0 mm
Ride height	26 mm
SHOCKS	
Arm mounts	2 - Mid
Tower mounts	Bottom (long link tower)
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 53/50 C/D block

TIRES

	FRONT	REAR
Tire brand / type	JC Detox	JC Detox
Tire compound	Aqua2	Aqua 2
Tire insert	Closed cell	Closed cell
Wheel brand / type	JC	JC

SHOCKS

	FRONT	REAR
Oil weight	700 cst	650 cst
Pistons	7x1.3mm	7x1.3mm
Rebound	0 %	0 %
Shock length	105 mm	123 mm
Shock type	Emulsion	Emulsion
Springs	TLR Violet (5.3 lb) #344020	80mm 10.25T Black
Stroke	34 mm	41.5 mm

Front eyelets	Short
Shock oil brand	VRP

DIFFERENTIALS

	FRONT	REAR
Diff fluid	10K (330) cst	4K (275) cst
Diff mass	2.7 g	2.7 g

Center diff fluid	10K (260) 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	94mm 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	Down
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