TLR 8IGHT-X 2.0

Setup: My Base Setup · Marco R · Apr 2, 2023

so dialed
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EVENT

Event	Practice

TRACK

Track	Gulf Coast Raceway
Type	Outdoor hard-packed
Grip / moisture	Low / Dusty/Dry
Surface / layout	Bumpy/Rutted / Tight
Air temp	75°F (24°C)
Track temp	75°F (24°C)

FRONT SUSPENSION

ACKERMANN	
Inner steering link location	1 - Back
Steering arms	A
Anti-roll bar	2.4mm
Arm mount inserts - A	0.5 up and out
Arm mount inserts - B	1 down, .5 out
Arm stiffeners	Carbon
Axle height	Low (1mm on top)
BUMP STEER	
Inner steering link shims	2 mm
Outer steering link shims	1 mm
Camber	-2 degrees
CAMBER LINK	
Inner link location	4 - Mid-top
Outer link location	B - Outside
Droop	28 mm
Hub carriers	Aluminum 17.5 deg v2
Ride height	27 mm
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	2 - Mid-in
Steering bellcrank	Composite
Steering blocks	Aluminum
Toe	-1.5 degrees
Track: wheel hexes	+0mm
Wheelbase: arm shims - F/R	1 / 0 mm

NOTES Try going to top hole on inner fr camber link

Orrr

Got to 1mm on bottom for axle height . If going this route may need to go out on front tower shock mounting.

TIRES

	FRONT	REAR
Tire brand / type	JConcepts Detox	JConcepts Detox
Tire compound	Green	Green
Tire insert	Standard	Standard
Wheel brand / type	Avid	Avid

REAR SUSPENSION

Anti-roll bar	2.5mm
Arm mount inserts - C	1 in, .5 down
Arm mount inserts - D	1 down and in
Arm stiffeners	None
Axle height: hub inserts	0 - Top
Camber	-2 degrees
CAMBER LINK	
Inner link location	3 - Middle
Outer link location	C - Outside
Droop	25 mm
Hubs	8X 2.0
Ride height	28 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	3 - Mid-out
Track: wheel hexes	+0mm
WHEELBASE	
Arm shims - F/R	1 / 2 mm
Hub shims - F/R	1/2 mm

NOTES Need to test rear inner camber link to middle hole as well as hubs all the way down. Needs more on power traction. - This seems to help in low traction conditions.Curious about a 2.4 rear bar and or possibly see how the car reacts with in on rear tower for shocks in those same conditions

Also want to test wheelbase spacing. Current of 1/2 vs 0/3

Also try 2.4 rear sway

Try arm sims from 1F/2R to 3R - done 3/27

Also try 1 in 1 down on C when traction is lower.

BODY & CHASSIS

Battery position	Front
Body	8X 2.0
FLEX	
Chassis brace	Composite
Chassis rib brace	Aluminum
Rear wing	VPPro Beta Style
Rear wing location	Rear bottom
Rear wing wickerbill	None

SHOCKS

	FRONT	REAR
Oil weight	45 wt	42.5 wt
Pistons	VRP 5 hole custom	VRP 5 hole custom
Shafts	3.5mm	3.5mm
Shock type	Emulsion	Emulsion
Springs	Mugen 8.25	Mugen 10.75
Shock oil brand	Team Losi	

DIFFERENTIALS

	FRONT	REAR
Diff case	HD	HD
Diff fluid	7,000 cst	4,000 cst
Diff mass	40.3 g	42.7 g
Diff pins	Steel	Steel
Center diff case	HD	
Center diff fluid	5,000 cst	
Center diff mass	40.7 g	
Center diff pins	Steel	
Diff fluid brand	TLR	

DRIVETRAIN

Brake bias - F/R	60/40
Clutch shoes & springs	2x aluminum shoes & gold springs, 2x carbon shoes & green springs
Drive ratio - internal	3.31
Driveshafts - front	Universal
Driveshafts - rear	Universal
Flywheel	Aluminum
Pinion	13 teeth
Spur	47 teeth

ENGINE

Engine brand	OS Engines
Engine model	AD2
Fuel	VP 30/9
Pipe / header	OS 2100