TLR 8IGHT-XE 2.0

Setup: Tiffany 1.0 · Frosty StClair (TLR) · Jan 8, 2024

so dialed
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EVENT	
Event	Saturday Night Worlds
Class	EBuggy

TRACK	
Track	Gulf Coast Raceway
Type	Indoor hard-packed
Grip / moisture	Low / Dry
Surface / layout	Bumpy/Rutted / Medium
Air temp	70°F (21°C)
Track temp	40°F (4°C)

RESULTS	
Race type	Main
Finish	2nd
Best lap	31.9 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link location	1 - Back
Steering arms	B
Anti-roll bar	2.6mm
Arm mount inserts - A	1 out, .5 down
Arm mount inserts - B	1 down and out
Arm stiffeners	Carbon
Axle height	Low (1mm on top)
BUMP STEER	
Inner steering link shims	4 mm
Outer steering link shims	2 mm
Camber	-2 degrees
CAMBER LINK	
Inner link location	4 - Mid-top
Outer link location	Middle
Droop	30 mm
Hub carriers	Aluminum 20 deg
Ride height	26 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3 - Mid-out
Steering bellcrank	Aluminum
Steering blocks	Aluminum Inclined
Toe	-1.5 degrees
Track: wheel hexes	+1mm
Wheelbase: arm shims - F/R	1 / 0 mm

NOTES JC front wing
: Camber link center hole on aluminum front caster block

Shock length on the car from center of screw to center of screw approximately 108mm

But I'd suggest using 36mm droop blocks rather than the method above

REAR SUSPENSION

Anti-roll bar	2.4
Arm mount inserts - C	1 up
Arm mount inserts - D	1 down, .5 out
Arm stiffeners	None
Axle height: hub inserts	0 - Top
Camber	-2 degrees
CAMBER LINK	
Inner link location	2 - Mid-bottom
Outer link location	C - Outside
Droop	27 mm
Hubs	Aluminum
Ride height	27 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	3 - Mid-out
Track: wheel hexes	+0mm
WHEELBASE	
Arm shims - F/R	Arms forward mm
Hub shims - F/R	Hubs forward mm

NOTES Shock length on the car from center of screw to center of screw approximately 119mm

But I'd suggest using 36mm droop blocks rather than the method above

BODY & CHASSIS

Battery position	Front
Body	JConcepts
FLEX	
Chassis brace	Composite
Chassis rib brace	Aluminum
Rear wing	JConcepts Razor
Rear wing location	Rear top
Rear wing wickerbill	10mm Riser
Weight balance (F/R)	50 / 50

NOTES Wing mount is using the top holes

SHOCKS

	FRONT	REAR
Oil weight	42.5 wt	37.5 wt
Pistons	VRP 5 x 1.4	VRP 5 x 1.5
Rebound	0 %	0 %
Shafts	3.5mm	3.5mm
Shock length	Droop: 30 mm	Droop: 27 mm
Shock type	Emulsion	Emulsion
Springs	TLR Silver	TLR Red
Shock oil brand	Team Losi	

DIFFERENTIALS

	FRONT	REAR
Diff case	HD	HD
Diff fluid	5,000 cst	5,000 cst
Diff mass	N/A g	N/A g
Diff pins	Aluminum	Aluminum

Center diff case	HD
Center diff fluid	4,000 cst
Center diff mass	N/A g
Center diff pins	Aluminum
Diff fluid brand	TLR

DRIVETRAIN

Drive ratio - internal	3.31
Driveshafts - front	Universal
Driveshafts - rear	Universal
Pinion	16 teeth
Spur	47 teeth

TIRES

	FRONT	REAR
Tire brand / type	JConcepts - Reflex	JConcepts - Reflex
Tire compound	Blue	Blue
Tire insert	Standard	Standard
Wheel brand / type	JConcepts	JConcepts

ELECTRONICS

Battery brand	**Spektrum**
Battery C rating	**120 C**
Battery capacity	**6300 mAh**
Battery model	**2S**
ESC brand	**Hobbywing**
ESC model	**SCT**
ESC settings	**Base**
Motor brand	**Hobbywing**
Motor model	**Hotdog**
Motor wind	**0.00000000001 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**98 %**
Radio EPA throttle	**96 %**
Radio model	**Super Pro Hotdog 2.0**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**S11 Evolution Football**
Steering servo brand	**Spektrum**
Steering servo model	**A6300**

NOTES 10 amps

ESC SETTINGS

Brake: Initial strength	**37.5 %**
Throttle: Strength	**5**