TLR 22X-4

Setup: 2021 ROAR 10th Nats · Dakotah Phend (TLR) · Jan 22, 2022

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EVENT	
Event	2021 ROAR 10th Nats

TRACK	
Track	The Track
Type	Indoor clay
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth / Medium
Air temp	20°C (68°F)
Track temp	22.5°C (73°F)

RESULTS	
Race type	Main

FRONT SUSPENSION

A mount inserts	1 up and in
Anti-roll bar	1.0mm
Arms	Kit
Axle height	1.7mm top / 1.7mm bottom
B mount inserts	1 down and in
Camber	-2 degrees
CAMBER LINK	
Inner stud location	2 - Top
Outer stud spacers	0 mm
Hub carrier	9 degrees
Ride height	16 mm
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	2 - Middle
Steering brace	Posts
Steering crank stud location	2 - Outside
STEERING LINK	
Inner stud location	Standard / 1 - Back
Inner stud spacers	1 mm
Outer stud location	Standard
Outer stud spacers	0 mm
Steering plate / arm	Kit
Steering rack	Aluminum
Toe	+1 degrees
Tower	Carbon
Track: wheel hexes	4.0mm

BODY & CHASSIS

	FRONT	REAR
Wing	TLR Scoop	JC Aero Type S

Battery spacer - front	1
Battery spacer - rear	2
Body	JConcepts F2
Center bulkhead	Composite
Electronics plate	Carbon
Mud guard	Soft
Rear wing angle	4 degrees
Rear wing height	Below Gurney
Weight: total	1605 g

NOTES Lunsford titanium screws
JConcepts fun turnbuckles
Trinity ceramic bearings

REAR SUSPENSION

Anti-roll bar	1.2mm
Arms	Kit
Axle height	0mm (0/4 up)
C mount inserts	0.5 up
Camber	-2 degrees
CAMBER LINK	
Inner stud location	1 - Bottom
Outer stud location	B - Front
Outer stud mount spacers	0 mm
Outer stud spacers	2 mm
D mount inserts	0 center
Gear box shim	0 mm
Hub	Composite
Ride height	16 mm
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	3 - Outside
Tower	Carbon
Track: wheel hexes	5.0mm
Wheelbase: hub spacers	Front 2.0mm / rear 1.0mm

DRIVETRAIN

Clutch pads	Max Drive
Drive ratio - final	4.5
Drive type	Differential
Driveshafts - front	74mm CVA
Driveshafts - rear	67mm CVA
Driveshafts - rear CV pin location	1 - Inside (towards dogbone)
Motor mount location	Rearward
Pinion	18 teeth
Spur	81 teeth

ELECTRONICS

Battery brand	Trinity
ESC brand	Pro Performance RC
ESC model	XSC150P
Motor brand	Team Orion
Motor wind	7.5 turns
Radio brand	Spektrum
Radio model	DX5 Pro
Receiver brand	Spektrum
Receiver model	S2100
Servo brand	Spektrum
Servo model	S6245

SHOCKS

	FRONT	REAR
Eyelet length	Standard	Standard
Limiters (external)	1 mm	0 mm
Limiters (internal)	1 mm	1 mm
Oil weight	40 wt	35 wt
Pistons	Thin 2 x 1.6mm	Thin 2 x 1.7mm
Shafts	3.0mm x 42.7mm TiCN	3.0mm x 48.7mm TiCN
Spring cups	Medium	Low
Springs	AE V2 Blue	AE V2 Grey
Stroke	22.3 mm	31.2 mm
Shock oil brand	Team Losi	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	7,000 cst	5,000 cst
Diff mass	13 g	13 g
Diff ring/pinion	Composite	Composite
Diff type	4 gear composite	4 gear composite

Center diff cover	Composite
Center diff fluid	500,000 cst
Center diff gear	Composite
Center diff mass	13 g
Center diff type	4 gear composite
Diff fluid brand	TLR

TIRES

	FRONT	REAR
Tire brand / type	JConcepts Ellipse	JConcepts Ellipse
Tire compound	Silver	Silver
Tire insert	Closed-cell	Closed-cell
Tire prep	FDJ	FDJ
Wheel brand / type	TLR 4WD Front	TLR Rear