Serpent SRX4 Gen3

Setup: TR Speedway 11/20/21 · Ken Grace (Serpent America) · Nov 23, 2021

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EVENT

Event	Points Race #2
Class	4x4 Stock Buggy

TRACK

Track	TR Speedway
Type	Indoor carpet
Grip / moisture	High/Medium / Dry
Surface / layout	Smooth / Tight

RESULTS

Race type	Main
Race number	5
Finish	5th

FRONT SUSPENSION

Ackermann: steering plate	2 notch
Anti-roll bar	1.6 mm
Arms	Hard
Axle height spacers - top/bottom	1 / 2 mm
Camber	-1 degrees
CAMBER LINK	
Inner stud location	1 - Bottom
Outer stud location	B - Outside
Outer stud spacers	1 mm
Caster: hub carrier inserts	10 degrees
Differential height	High
FF mount inserts	1 out
FR mount inserts	1 in
FR mounts	Brass
Ride height	13 mm
SHOCKS	
Arm mounting hole	Front of arm / C - Outside
Tower mounting hole	2 - Middle
STEERING LINK	
Inner stud spacers	1 mm
Outer stud spacers	1 mm
Steering stop spacers	0 mm
Toe	0 degrees
Tower	Carbon
Track: wheel hexes	SRX4 +0mm

NOTES Wider hexes, cactus fusion 1 instead of 2, lay down shocks more, raise camber link inside, stiffen shock oils

TIRES

	FRONT	REAR
Tire brand / type	Schumacher Cactus Fusion 2	Schumacher Cactus
Tire compound	Yellow	Yellow
Tire insert	Open-cell	Open-cell
Wheel brand / type	Serpent SDX FR	JConcepts

Tire prep	SXT 3.0 black dot beginning of day

NOTES Sidewall glued in front

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	SRX2 v2 Hard
Axle height: hub inserts	+3 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud location	2 - Middle
Inner stud spacers	4 mm
Outer mount spacers	2.5 mm
Outer stud location	Outside
Outer stud spacers	0.5 mm
Differential height	High
RF mount inserts	1 out
Ride height	13 mm
Roll center spacer	No
Roll: axle pin position	Middle
RR mount inserts	1 in
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Middle
Tower	Carbon
TRACK	
Hub inserts	+3 mm
Hubs	Stock
Wheel hexes	SRX2 +1mm
Wheelbase: hub spacers	Long (back)

NOTES Lengthen camber links, wider hexes, raise inner camber link 1mm, lay down shocks, stiffen shock oils, try 1.7 sway bar

BODY & CHASSIS

	FRONT	REAR
Wing	–	6.5"

Battery position	Stock
Body	Kit
Chassis	Kit
Rear wing angle	0 degrees

NOTES Add center weight?

SHOCKS

	FRONT	REAR
Cup offset	High	Low
Limiters - int/ext	2 / 0 mm	2 / 0 mm
Oil weight	600 cst	600 cst
Pistons	2 x 1.6mm	2 x 1.7mm
Rebound	0 %	0 %
Shafts	Kit	Kit
Shock type	Emulsion	Emulsion
Springs	3.7 lb Green	Astro 2.1 lb Blue
Stroke	20.5 mm	28 mm

Shock oil brand	Serpent

NOTES Conical pistons down

DIFFERENTIALS

	FRONT	REAR
Diff fluid	15,000 cst	10,000 cst
Diff mass	19.1 g	17.4 g

Diff fluid brand	Serpent

NOTES Slipper. No center diff for this car

DRIVETRAIN

Clutch setting	1.5-2mm from end of shaft
Drive ratio - final	8.00:1
Drive ratio - internal	2.43:1
Drive type	Slipper
Driveshafts - front	Kit
Driveshafts - rear	Kit
Pinion	24 teeth
Spur	78 teeth

ELECTRONICS

Battery brand	VooDoo Racecells
Battery C rating	120C
Battery capacity	6000 mAh
Battery model	HeadHunter
ESC brand	Maclan
ESC model	M32T Pro160
Motor brand	Trinity
Motor model	X-Factor Certified
Motor timing	51.4 degrees
Motor wind	13.5 turns
Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver brand	Sanwa/Airtronics
Receiver model	RX-492
Servo brand	Sanwa/Airtronics
Servo model	PGS-LH II

NOTES SXR mode for ESC and Servo