Serpent SRX4 Gen3

Setup: Boughton dry · Andy freeman (Serpent UK) · Oct 13, 2024

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EVENT

Event	BRCA east of England regional
Class	Modified

TRACK

Track	Boughton Raceway
Type	Outdoor astroturf
Grip / moisture	Low / Dry
Surface / layout	Bumpy / Medium
Air temp	22.5°C (73°F)
Track temp	20°C (68°F)

FRONT SUSPENSION

Ackermann: steering plate	1 notch
Anti-roll bar	1.4 mm
Arms	Hard
Axle height spacers - top/bottom	2/1 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud location	3 - Outside
Outer stud location	A - Inside
Outer stud spacers	1.5 mm
Caster: hub carrier inserts	15 degrees
Differential height	Mid
FF mount inserts	0 center
FR mount inserts	0 center
FR mounts	Kit
Ride height	18 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	1 - Inside
STEERING LINK	
Inner stud spacers	0 mm
Outer stud spacers	1 mm
Steering stop spacers	0 mm
Toe	-1 degrees
Tower	Carbon
Track: wheel hexes	SRX4 +0mm

TIRES

	FRONT	REAR
Tire brand / type	Schumacher Mezzo	Schumacher Mezzo
Tire compound	Yellow	Yellow
Tire insert	Rb cheater	Rb Cheater
Wheel brand / type	Serpent	Jconcepts mono

NOTES 2 Outer/ 1 inner rows removed on front

REAR SUSPENSION

Anti-roll bar	1.0 mm
Arms	Kit
Axle height: hub inserts	+2 mm
Camber	-0.5 degrees
CAMBER LINK	
Inner stud location	2 - Middle
Inner stud spacers	3 mm
Outer mount spacers	2.0 mm
Outer stud location	Front
Outer stud spacers	0.5 mm
Differential height	Mid
RF mount inserts	0.5 up
Ride height	19 mm
Roll center spacer	No
Roll: axle pin position	Middle
RR mount inserts	1 down, .5 in
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Middle
Tower	Carbon
TRACK	
Hub inserts	+0 mm
Hubs	Long offset
Wheel hexes	SRX2 +1mm
Wheelbase: hub spacers	Middle

BODY & CHASSIS

	FRONT	REAR
Wing	–	Jconcepts astro 7"

Body	RB Flow
Chassis	Kit
Rear wing angle	2 degrees
Screws & turnbuckles	Rb titanium turnbuckles
Weight: total	1668 g
Weights	10g each side. On chassis under steering arms

SHOCKS

	FRONT	REAR
Cup offset	High	Low
Limiters - int/ext	0 / 0 mm	0 / 0 mm
Oil weight	650 cst	450 cst
Pistons	Reactor 1.7x2	Reactor 1.8x2
Rebound	0 %	0 %
Shafts	TiN coated	TiNi Coated
Shock type	Emulsion	Emulsion
Springs	AE Red V2	AE Blue V2
Stroke	20.5 mm	28 mm
Shock oil brand	CORE	

NOTES 2 o-ring external limiters front and rear

DIFFERENTIALS

	FRONT	REAR
Diff fluid	20,000 cst	15,000 cst
Diff mass	19.1 g	17.4 g
Diff fluid brand	Core	

DRIVETRAIN

Clutch setting	2
Drive ratio - final	9.021
Drive ratio - internal	2.429
Drive type	Slipper
Driveshafts - front	Kit
Driveshafts - rear	Kit
Pinion	21 teeth
Spur	78 teeth

NOTES Front brake oneway fitted. Tighten more than normal

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery C rating	**120c**
Battery capacity	**4400 mAh**
Battery model	**HV 7.6v**
ESC brand	**Corally**
ESC model	**Cerix 2 160a**
Motor brand	**Konect**
Motor model	**K1 elite**
Motor timing	**30 degrees**
Motor wind	**5.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**90 %**
Radio EPA throttle	**100 %**
Radio model	**Mt44**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**482**
Servo brand	**Align**
Servo model	**BL815HV**

NOTES 5 amps

NOTES Steering expo -15
Throttle expo -10
Brake dual rate 90%