Serpent SRX4 Gen3

Setup: Dirt setup · Cledus Snow · Oct 10, 2021

so dialed
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EVENT	
Event	SuperCup

TRACK	
Track	Newreds
Type	Indoor hard-packed
Grip / moisture	High / Dry
Surface / layout	Medium / Tight
Air temp	90°F (32°C)
Track temp	85°F (29°C)

FRONT SUSPENSION

Ackermann: steering plate	1 notch
Anti-roll bar	1.2 mm
Arms	Kit
Axle height spacers - top/bottom	1 / 2 mm
CAMBER LINK	
Inner stud location	1 - Bottom
Outer stud location	A - Inside
Outer stud spacers	2 mm
Caster: hub carrier inserts	0 degrees
Differential height	Mid
FF mount inserts	0 center
FR mount inserts	0 center
FR mounts	Kit
SHOCKS	
Arm mounting hole	Front of arm / A - Inside
Tower mounting hole	3 - Outside
STEERING LINK	
Inner stud spacers	1 mm
Outer stud spacers	1 mm
Steering stop spacers	0 mm
Tower	Carbon
Track: wheel hexes	SRX4 +0mm

NOTES Decreased front droop by .5 mm

TIRES

	FRONT	REAR
Wheel brand / type	Serpent	Serpent

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	Kit
Axle height: hub inserts	+2 mm
CAMBER LINK	
Inner stud location	2 - Middle
Inner stud spacers	2 mm
Outer mount spacers	2.5 mm
Outer stud location	Outside
Outer stud spacers	0.5 mm
Differential height	Mid
RF mount inserts	0 center
Roll center spacer	No
Roll: axle pin position	Middle
RR mount inserts	0 center
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Middle
Tower	Carbon
TRACK	
Hub inserts	+0 mm
Wheel hexes	SRX2 +1mm
Wheelbase: hub spacers	Middle

NOTES Rear hub/link length increased by removing hub ballstud washers. Using 1mm only.

BODY & CHASSIS

	FRONT	REAR
Wing	–	6.5" 1.5mm
Body	Kit	
Chassis	Kit	
Rear wing angle	2 degrees	

SHOCKS

	FRONT	REAR
Cup offset	High	Low
Limiters - int/ext	2 / 0 mm	2 / 0 mm
Pistons	2 x 1.6mm	2 x 1.7mm
Shafts	Kit	Kit
Shock type	Emulsion	Emulsion
Springs	A.E v2 yellow	A.E. v1 white
Stroke	20 mm	28 mm
Shock oil brand	Serpent	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	30,000 cst	12,000 cst
Diff mass	19.1 g	17.4 g

DRIVETRAIN

Clutch setting	1.5-2mm from end of shaft
Drive ratio - internal	1.619
Drive type	Slipper
Driveshafts - front	Kit
Driveshafts - rear	Kit
Pinion	24 teeth
Spur	78 teeth

NOTES Removed rearmost front belt tensioner

ELECTRONICS

Battery brand	Trinity
Battery C rating	130 C
Battery capacity	4300 mAh
Battery model	White Carbon
ESC brand	Hobbywing
ESC model	Elite
Motor brand	Trinity
Motor model	X-Factor
Motor timing	48 degrees
Motor wind	13.5 turns
Servo brand	MKS Servos