Serpent SRX8-T

Setup: Mugen Challenge 2023 · Ken Grace (Team Associated) · Aug 19, 2023

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EVENT

Class	Nitro Truggy

TRACK

Track	LCRC Raceway
Type	Outdoor hard-packed
Grip / moisture	Low/Medium / Dusty/Dry
Surface / layout	Medium/Bumpy / Medium
Air temp	60°F (16°C)
Track temp	75°F (24°C)

FRONT SUSPENSION

Anti-roll bar	2.3mm
Arm inserts	Nylon
Camber	-2 degrees
CAMBER LINK	
Inner stud location	5 - Outside middle
Outer stud location	A - Inside
FF mount inserts	10 degrees - middle
FR mount inserts	0 - low
Hub carriers	15 degree
Ride height	36 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	3 - Middle-out
Steering arm	Type 2
Steering block	Kit
Steering link: outer stud spacers	2 mm
Steering stop	0.4 mm
Toe	+1 degrees
Tower	Aluminum
Track: wheel hexes	+1mm

NOTES 26 droop

BODY & CHASSIS

Body	LFR HB D8T Beretta Bruggy
Chassis	Aluminum coated
Engine mount	Aluminum monoblock
Rear wing	Serpent Medium
Rear wing angle	4 degrees
Rear wing gurney strip	No
Rear wing mount	SRX8 v2
Screws & turnbuckles	Lunsford Titanium Turnbuckles
Transmission brace - front	Kit
Transmission brace - rear	Aluminum - Ola Raastad

NOTES Front E-Buggy body mount on front brace, rear 811T mount on rear tower

REAR SUSPENSION

Anti-roll bar	2.5mm
Anti-squat: RF block inserts	2.0 degrees - middle
Arm inserts	Nylon
Camber	-2 degrees
CAMBER LINK	
Inner stud location	3 - Inside mid-top
Outer stud location	C - MIddle-out
Hubs	Nylon
Ride height	38 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	3 - Middle
Toe: RR block inserts	3.0 degrees
Tower	Aluminum
Track width; hub pin position	Narrow (pin out)
Track: wheel hexes	+0mm
Wheelbase: hub spacers	+2.5 mm

NOTES 23 droop

ENGINE

Engine brand	Novarossi
Engine model	Paloma .21
Fuel	Bones Brew 25/8
Glow plug	CTO 6
Pipe / header	9886/41001

NOTES Clutch Shoe 24.45mm

TIRES

	FRONT	REAR
Tire brand / type	Pro-Line BuckShot	Pro-Line BuckShot
Tire compound	S3	S3
Tire insert	Closed-cell	Closed-cell
Tire prep	None	None
Wheel brand / type	DE Racing / SpeedLine Plus	DE Racing / SpeedLine Plus

SHOCKS

	FRONT	REAR
Oil weight	550 cst	500 cst
Pistons	6 holes	6 holes
Shock type	Emulsion	Emulsion
Springs	5.0 lb Blue	3.8 lb Purple
Stroke	49 mm	53 mm

Shock oil brand	Serpent

DIFFERENTIALS

	FRONT	REAR
Diff fluid	10,000 cst	7,000 cst
Diff mass	43.50 g	43.50 g
Diff type	HTD	HTD

Center diff case	Standard
Center diff fluid	12,000 cst
Center diff mass	44.00 g
Center diff type	HTD
Diff fluid brand	PT RC

DRIVETRAIN

Clutch bell	Standard
Clutch shoes & springs	4 carbon shoes / 0.9mm springs
Driveshafts - front	Kit
Driveshafts - rear	Kit
Flywheel	Aluminum
Pinion	13 teeth
Spur	48 teeth

NOTES Clutch Shoes 24.45mm

ELECTRONICS

Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver battery	Arrowmax 2400
Receiver brand	Sanwa/Airtronics
Receiver model	RX-472
Steering servo brand	Savox
Steering servo model	SV-1270TG
Throttle servo brand	Savox
Throttle servo model	SV-1270TG