Serpent SRX8 PRO

Setup: 2021 mugen challenge · Kyle Loy (Serpent usa) · Aug 23, 2021

so dialed
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EVENT	
Event	2021 mugen challenge

TRACK	
Track	Lcrc raceway
Type	Outdoor hard-packed
Grip / moisture	Medium / Wet
Surface / layout	Smooth / Open
Air temp	91°F (33°C)
Track temp	100°F (38°C)

FRONT SUSPENSION

Anti-roll bar	2.3mm
Arm inserts - bottom	Nylon
Arm inserts - top	Carbon
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	B - Middle
Hub carriers	Kit
Kick-up: FF mount inserts	10 degrees - middle
Ride height	27 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3 - Middle-out
Steering arm	Type 2
Steering block	Inclinated
Steering stop	0.0 mm
Toe	+1 degrees
Tower	Aluminum
Track: wheel hexes	+1mm

NOTES Running light weight hex, and axle

DRIVETRAIN

Clutch bell	Standard
Clutch shoes & springs	6061 x2 on .95 7075 x2 on 1.
Driveshafts - front	98mm
Driveshafts - rear	98mm
Flywheel	Aluminum
Pinion	13 teeth
Spur	46 teeth

REAR SUSPENSION

Anti-roll bar	2.4mm
Anti-squat: RF block inserts	2.0 degrees - middle
Arm inserts - bottom	Nylon
Arm inserts - top	Nylon
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	2 - Inside mid-bottom
Outer stud location	C - MIddle-out
Hubs	Kit
Ride height	28 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	4 - Middle-out
Toe: RR block inserts	2.75 degrees
Tower	Carbon
Track width: hub pin position	Wide (pin in)
Track: wheel hexes	+0mm
Wheelbase: hub spacers	+3.75 mm

NOTES Light weight hex, axle

ENGINE

Engine brand	Os speed
Engine model	Ad2
Fuel	Tessman blend
Glow plug	P3

SHOCKS

	FRONT	REAR
Oil weight	37.5 wt	35 wt
Pistons	5x1.5	5x1.6
Shafts	TiN Coated	TiN coated
Shock length	108 mm	126 mm
Shock type	Bladder	Bladder
Springs	4.9 lb Pink	3.2 lb Red
Shock oil brand	Team Associated	

NOTES 30mm front droop, 26mm rear droop

DIFFERENTIALS

	FRONT	REAR
Diff fluid	7,000 cst	3,000 cst
Diff mass	44.75 g	44.75 g
Diff type	HTD	HTD

Center diff case	Standard
Center diff fluid	7,000 cst
Center diff mass	45.7 g
Center diff type	HTD

NOTES Would try 6k center to get little better driver

BODY & CHASSIS

Body	Lfr
Chassis	Pro chassis
Engine mount	Kit
Rear wing	Vp pro
Rear wing angle	2 degrees
Rear wing mount	SRX8 v2
Transmission brace - front	Kit
Transmission brace - rear	Kit