XRAY X12 '21

Setup: 180 Raceway high traction. 7.7 sec laps · Adam Vink · Feb 3, 2022

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EVENT

Event	Testing
Class	17.5 Blinky 1/12

TRACK

Track	180 Raceway. Middle River, MD
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Tight
Air temp	70°F (21°C)
Track temp	70°F (21°C)

RESULTS

Best lap	7.7 s
Average lap	8.0 s

FRONT SUSPENSION

ACKERMANN

Inner steering link orientation	Back of servo saver
Outer steering link location	Front
Servo shims	0mm, front of mounts mm
Bumpsteer: outer steering link shims	4.25 mm
Camber: kingpins	0.5 degrees - 4 dots
Caster: lower plate shims - F/R	3.0 / 0 mm
Droop	0.5 mm
Ride height - front	3.2 mm
Ride height - middle	3.2 mm
Ride height: lower plate shims	0.6 mm
Servo saver stud location	1 - Bottom
Steering block spacers - top/bottom	0.3 / 2.0 mm
Steering lock angle	25 degrees
Toe	-0.5 degrees
Track width	167 mm
Track: wheel spacers	1 mm
Wheelbase: suspension mount	Short

NOTES Milled top of steering blocks by 2mm to work with AMX springs.

ELECTRONICS

Battery brand	SMC
Battery capacity	8300 mAh
ESC brand	Tekin
ESC model	RS Pro 1s
ESC settings	Blinky
Motor brand	R1 Wurks
Motor model	V21
Motor timing	32.5 degrees
Motor wind	17.5 turns
Radio brand	Sanwa/Airtronics
Radio EPA throttle	100 %
Radio model	MT44
Receiver brand	Sanwa/Airtronics
Receiver model	482
Servo brand	KO Propo
Servo model	RSX12
Transponder ID	3081074

REAR SUSPENSION

Center pivot	Kit
Center pivot holder position	Rear
Droop	1.5 mm
Pod link position	Outside
Pod link spacers - F/R	0 / 0 mm
Ride height	3.2 mm
Ride height: axle spacers	2.0 hole down mm
Roll center: center pivot shims	0 mm
Track width	172 mm
Track: axle spacers	0 mm

DRIVETRAIN

Axle	Awesomatix steel spool
Differential balls	None
Differential type	Solid
Gear pitch	64
Pinion	49 teeth
Spur	70 teeth

TIRES

	FRONT	REAR
Tire additive	SXT	SXT
Tire additive area	Inside, Mid-in	Inside, Mid-in, Mid-out, Outside
Tire brand / type	CRC	CRC
Tire compound	Spec	Spec
Tire diameter	39.5 mm	40 mm
Tire glue diameter	39.5 mm	–
Tire prep	5 minutes	5 minutes
Tire shore	37	37
Wheel brand / type	CRC white	CRC white

NOTES Fabtek carbon wheel disks front and rear

SHOCKS

Center shock oil weight	500 cst
Center shock rebound	25 %
Center shock spring	3.1C Black 4 dots
Center shock: stud spacers - F/R	0/5 mm
Front kingpin fluid	15,000
Front springs	Awesomatix Green
Shock oil brand	MR33
Side springs	1.2C Black
Side tube oil weight	10,000 cst
Side tube stud spacers - In/Out	0 / 2 mm

NOTES 20mm front shock post with 2.5mm spacer under rear. Stock shock post and 5mm spacer under the rear is the same angle. 20mm setup is lower CG.

BODY & CHASSIS

Battery position	Mid-front
Body	PF Strakka LW

FLEX

Chassis	Aluminum US
Front suspension brace	Stiff - no posts
Pod lower plate	Aluminum
Side braces	Stiff - braces fully attached
Motor shims	0 mm
Weight: total	735 g
Weights	20g around receiver

NOTES 30g body