XRAY X12 '21

Setup: Super Stock 1/12 · Max Kuenning (RC America) · May 22, 2021

so dialed
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EVENT		TRACK		RESULTS	
Event	Halloween Classic 2020	Track	The Gate	Best lap	7.712 s
		Type	Indoor carpet		
		Grip / moisture	High		
		Surface / layout	Smooth / Tight		

FRONT SUSPENSION

Camber (kingpins)	1 degree - 3 dots
Droop	0.4 mm
Lower arm plate caster shims - F/R	2.0 / 0 mm
Lower arm plate ride height shims	1.2 mm
Ride height - front	3 mm
Ride height - middle	3.1 mm
Servo saver stud location	Lower and towards servo
Servo shims	0
Steering block spacers - top/bottom	0.2 / 2.0 mm
Steering blocks	Kit
STEERING LINK	
Outer stud location	Front
Outer stud spacers	4 mm
Suspension flex	Medium - brace with posts
Toe	-0.5 degrees
Track width	167 mm
Track: wheel spacers	0 mm
Wheel lock angle - in/out	- / - degrees
Wheelbase: suspension mount	Short

NOTES If steering blocks feel sticky, try putting more lube on kingpin or replace steering block

ELECTRONICS

Battery brand	ORCA
Battery capacity	8200 mAh
ESC brand	ORCA
ESC model	OE1 1s
Motor brand	Trinity
Motor model	Xfactor
Motor timing	47 degrees
Motor wind	13.5 turns
Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver brand	Sanwa/Airtronics
Servo brand	Xpert
Servo model	3301

REAR SUSPENSION

Center pivot	Kit
Center pivot holder position	Rear
Center pivot spacers (roll center)	0 mm
Droop	1.5 mm
Pod link position	Outside
Pod link spacers - F/R	0 / 0 mm
Pod lower plate	Aluminum
Ride height	3.2 mm
Ride height: axle spacers	2.0 mm
Track width	172 mm
Track: axle spacers	0 mm

DRIVETRAIN

Axle	Solid axle EU
Differential balls	None
Differential type	Solid
Gear pitch	64
Rollout	78 mm
Spur	80 teeth

TIRES

	FRONT	REAR
Tire additive	SXT	SXT
Tire brand / type	ULTI	ULTI
Tire compound	XM	XS
Tire diameter	39.6 mm	40.0 mm
Tire glue diameter	39.4 mm	–
Tire prep	Sauced inside half for 10 mins	Sauced full rear for 10 mins
Wheel brand / type	ULTI	–

SHOCKS

Center shock oil weight	450 cst
Center shock rebound	50 %
Center shock spring	2.8C Black 3 dots
Center shock: stud spacers - F/R	0 / 4 mm
Front kingpin fluid	10,000
Front springs	1.8-2.0 Silver
Shock oil brand	XRAY
Side springs	1.5C Silver
Side tube oil weight	10,000 cst
Side tube stud spacers - In/Out	0 / 1 mm

NOTES O-Ring grease on bottom o-ring to help seal the shock better

Side springs have 1/2 turn preload from just touching the rear lower pod plate

BODY & CHASSIS

Battery position	Rear
Body	PROTOform AMR X-lite
Body: rear dam height	0 mm
Chassis	Aluminum US
Chassis flex	Braces attached at front/middle
Front brace	2.0mm Graphite
Weight: total	730 g

NOTES Body height measured from setup board to top of side dam 74mm