XRAY X12 '20

Setup: Base 13.5 Setup · Robbie Dodge (RCAmerica / Xray / Hudy) · Nov 9, 2020

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TRACK

Track	180 Raceway
Type	Indoor carpet
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Tight
Track temp	75°F (24°C)

FRONT SUSPENSION

Camber	-1 degrees
Camber gain (upper arm mount shims)	1.0 mm
CASTER	
Reactive caster insert	Up - 7.5 degrees
Upper arm clips	3.0 mm
Droop	0.8 mm
Kingpins	AVID Ball stud titanium V2
Lower arms	Cheng Front End
Ride height - front	3.2 mm
Ride height - middle	3.4 mm
RIDE HEIGHT	
Kingpin spacers	0 mm
Lower arm spacers	0.4 mm
Servo saver stud location	1 - Inside
Servo spacers (Ackermann)	1 mm
Steering block spacers	Above: 0mm / Below: 0.7mm
Steering blocks	Kit
Steering link stud spacers - in/out	0 / 3.5 mm
Toe	0 degrees
TRACK	
Lower arm mount inserts	+0mm (167mm) mm
Wheel spacers	0 mm
Upper arm mounts	Graphite (#372012/22)
Upper arms	Graphite
Wheel lock angle - in/out	24 degrees
Wheelbase: suspension mount	Short

ELECTRONICS

Battery brand	R1
Battery capacity	8000 mAh
ESC brand	Tekin
ESC model	RS Pro 1-S
Motor brand	R1
Motor model	V21
Motor timing	44 degrees
Motor wind	13.5 turns
Radio brand	Sanwa/Airtronics
Radio model	M12S
Receiver brand	Sanwa/Airtronics
Receiver model	481
Servo brand	Xpert
Servo model	MI-3301

NOTES R1 big cap

REAR SUSPENSION

Center pivot	Xenon
Droop	1.4 mm
Pod link	Inside
Pod link spacers - F/R	0.5 / 0 mm
Pod lower plate	2.0mm Aluminum - US
Ride height	3.4 mm
Ride height: axle shims	0.25 mm
Track width	172 mm
Track: axle spacers	+0mm
Wheelbase: eccentric clamps	-1mm

DRIVETRAIN

Axle	EA Spool
Differential balls	NA
Differential type	EA Spool
Gear pitch	64
Pinion	48 teeth
Rollout	75.58 mm
Spur	80 teeth

TIRES

	FRONT	REAR
Tire additive	SXT 3.0	SXT 3.0
Tire brand / type	Jaco	Jaco
Tire compound	Magenta	Green
Tire diameter	39.5 mm	40.1 mm
Tire glue diameter	38.5 mm	–
Tire prep	Inside 3/4. 10 mins. Wipe dry	Full sauce. 10 mins. Wipe dry

NOTES Fronts square corners. Rears medium rounded corners.

SHOCKS

Center shock length	Long
Center shock oil weight	450 cst
Center shock pre-load	5 mm
Center shock rebound	0 %
Center shock spring	Yokomo Gold
CENTER SHOCK	
Front stud location	3 - Back
Rear stud location	1 - Back
Stud spacers - F/R	2 / 6 mm
Front pin fluid	SpeedMerchant Green Spooge
Front springs	3.0C Grey
Shock oil brand	XRAY
Side shock stud spacers (up/down)	- / - mm
Side spring pre-load	1.5 turns mm
Side springs	1.5C Silver
Side tube oil weight	SpeedMerchant Green Spooge cst
Side tube stud spacers - In/Out	0 / 2 mm

BODY & CHASSIS

Battery orientation	Cross chassis
Battery position	Rear
Body	Protoform AMR ProLite
Body: rear dam height	74.5 without tires mm
Chassis	Aluminum
Front brace	No brace
Motor spacers	0 mm
Servo position	Right
Weights	5g in front of speedo