XRAY X4 '22

Setup: Thrills and Spills Rc Raceway May/June 2024 · Joshua Wiley · May 27, 2024

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EVENT

Event	Spring Points Series

TRACK

Track	Thrills and Spills Rc Raceway
Type	Outdoor asphalt
Grip / moisture	Medium/Medium / Dry/Dry
Surface / layout	Medium/Medium / Open/Open
Air temp	70°F (21°C)
Track temp	90°F (32°C)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0.5 mm
Steering plates	Standard
Anti-roll bar	1.3mm
Arms - lower	Medium (#302180/1-M)
Arms - upper	Medium
Axle height	0.5 mm
Body stop	10.5 mm
Bump steer: outer steering link shims	5 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud shims	1.5 mm
Outer stud shims	2 mm
Caster bushings	4 degrees - 2 dot
Differential height	High
Downstop	5.4 mm
FF mount shims	2 mm
FR mount shims	2 mm
Ride height	5.0 mm
Servo saver shims	5 mm
Servo saver stud radius	19 mm
Shock tower brace shims	Yes
Shocks: tower mount holes	2 - Mid-in
Steering blocks	Graphite
Steering link: outer stud location	2 - Back
Steering lock	26 deg - 7.5mm shim
Toe	-1.5 degrees
TRACK	
Wheel hexes	+0mm
Wheel shims	0 mm

REAR SUSPENSION

Anti-roll bar	Removed
Arms - lower	Medium (#303180/1-M)
Arms - upper	Medium
Axle height	0.5 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud shims	1 mm
Outer stud shims	3 mm
Caster bushings	1.5 degrees - 2 dot forward
Differential height	High
Downstop	4.4 mm
Hubs	Graphite
RF mount shims	2 mm
Ride height	5.4 mm
RR mount shims	2 mm
Shocks: tower mount holes	2 - Mid-in
Toe	+2.5 degrees
Toe gain: ARS link outer shims	5 mm
TRACK	
Wheel hexes	+0mm
Wheel shims	0 mm

BODY & CHASSIS

Body	Zoo Racing
BODY MOUNTS	
Front	+0mm
Front height	29 mm
Rear	+0mm
Rear type	Horizontal
Bumper	Light and strong
FLEX	
Chassis	Graphite
Chassis brace	No
Front bulkhead brace	RcMaker Medium
Front cross brace	No
Motor mount screws	2, 3, 4
Servo mount	Forward
Steering plate	No
Top deck	2.0mm Graphite
Top deck flex	2pc Soft: Inner screws
Rear wing side dam	Yes
Screws & turnbuckles	TWorkz
Weight balance - F/R	50 / 50

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Oil weight	37.5 wt	35 wt
Pistons	4 x 1.1mm	4 x 1.1mm
Rebound	0 %	0 %
Springs	2.5-2.8	2.5-2.8
Stroke	9 mm	9 mm

Shock oil brand	Team Losi

DIFFERENTIALS

	FRONT	REAR
Diff fluid	Spool cst	5,000 cst
Diff mass	–	11.00 g

Diff fluid brand	XRAY
Front diff type	Solid axle
Rear diff gears	Kit

DRIVETRAIN

Belt - front	Low-friction
Belt - rear	Low-friction
Drive ratio - internal	1.9
Driveshafts - front	58mm ECS
Driveshafts - rear	54mm CVD
Gear pitch	64
Pinion	48 teeth
Spur	88 teeth

TIRES

	FRONT	REAR
Tire additive	RcMaker	RcMaker
Tire additive area	In, Mid-in, Mid-out, Out	In, Mid-in, Mid-out, Out
Tire brand / type	Sweep	Sweep
Tire compound	28	28
Tire insert	Medium	Medium
Tire prep	Rc Maker	Rc Maker
Wheel brand / type	Sweep	Sweep

ELECTRONICS

Battery brand	**Team EAM**
Battery C rating	**140 C**
Battery capacity	**6300 mAh**
ESC brand	**Hobbywing**
ESC model	**Pro G2**
Motor brand	**Team Scream**
Motor timing	**35 degrees**
Motor wind	**21.5 turns**
Radio brand	**Spektrum**
Radio model	**Dx5 Pro**
Receiver brand	**Spektrum**
Receiver model	**2100**
Steering servo brand	**ProTek**
Steering servo model	**160 SS**

NOTES 20amp C/R