XRAY X4 '24

Setup: Beachline 25.5TC · Donovan Pinkerton (My wallet and my budget) · Jul 13, 2025

so dialed
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EVENT	
Event	Club race 6.29.25
Class	25.5 TC

TRACK	
Track	Beachline
Type	Indoor carpet
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth / Medium
Air temp	90°F (32°C)
Track temp	80°F (27°C)

RESULTS	
Race type	Main
Race number	A
Finish	1st
Best lap	14.613 s
Average lap	15.061 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0.5 mm
Steering arms	Standard
Steering plate	8mm
Anti-roll bar	1.3 mm
Arms - lower	Med (#302182/3-M)
Arms - upper	Soft (#302134/44-S)
Axle height: hub shims	0.5 mm
Bump steer: outer steering link shims	2.5 mm
Camber	-1.5 degrees
CAMBER LINK	
Inner shims	3 mm
Outer shims	3 mm
Caster bushings	4 degrees - 2 dot
Differential height	Low
Downstop	6.0 mm
FF mount shims	2 mm
FR mount shims	2 mm
Hubs	Graphite
Ride height	5.0 mm
Servo arm type	Servo saver
Servo saver shims	3 mm
Servo saver stud radius	18 mm
Shock tower mount screws	Both
Shocks: tower shims	2 mm
Steering lock	26 deg - 7.5mm shim
Toe out	1 degrees
TRACK	
Wheel hexes	+0mm
Wheel shims	1 mm

REAR SUSPENSION

Anti-roll bar	1.2 mm
Arms - lower	Med (#303182/3-M)
Arms - upper	Soft (#302134/44-S)
Axle height: hub shims	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	Low
Downstop	5 mm
Hubs	Graphite
RF mount shims	2.5 mm
Ride height	5.2 mm
RR mount shims	2.5 mm
Shock tower mount screws	Both
SHOCKS	
Holder type	Fixed
Tower shims	2 mm
Toe gain: ARS link outer shims	2 mm
Toe in	2.5 degrees
TRACK	
Wheel hexes	+0mm
Wheel shims	0 mm

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Oil weight	400 cst	400 cst
Pistons	ULP PSS 1.8 2 hole	4x1.1mm
Rebound	0 %	0 %
Springs	2.4-2.7C	2.8C
Stroke	8.0 mm	8.0 mm

Shock oil brand: CORE

DRIVETRAIN

Belts	Low-friction
Diff fluid brand	XRAY
DIFFS	
Front type	Solid axle
Rear fluid	7,000 cst
Drive ratio - final	3.17
Drive ratio - internal	1.9
Driveshafts - front	58mm BB ECS
Driveshafts - rear	54mm BB CVD
Gear pitch	64
Pinion	53 teeth
Spur	90 teeth

NOTES MR33 white belts

BODY & CHASSIS

Battery position	**Center**
Body	**Wolverine .4**
BODY MOUNTS	
Front height	**7th hole + o-ring**
Front post-to-window distance	**66.5 mm**
Rear bumper height	**65 mm**
Rear type	**Vertical**
Body stop height	**11.5 mm**
Bumper	**3D**
FLEX	
Chassis	**1.5mm aluminum**
Chassis T-brace	**No**
Motor mount screws	**3, 4, 5**
Servo mount	**Forward**
Steering bridge brace	**No**
Top deck	**Front '23 with bridge, Rear '23**
Top deck screws	**2, 3, 4**
Motor shims	**0 mm**
Rear wing	**Wolverine**
Rear wing side dam	**Yes**
Weight balance - F/R	**50 / 50**
Weight: total	**1320 g**
Weights	**2x5g in front of servo and battery**

TIRES

	FRONT	REAR
Tire additive	**Sxt 3.0**	**Sxt 3.0**
Tire additive area	**In, Mid-in**	**In, Mid-in, Mid-out, Out**
Tire additive timing	**10 min**	**10 min**
Tire additive wipe-off time	**10 min**	**10 min**
Tire brand / type	**Hudy carpet**	**Hudy**
Tire warmer time	**0 min**	**0 min**
Wheel brand / type	**Hudy**	**Hudy**

ELECTRONICS

Battery brand	**Tekin**
Battery capacity	**6200 mAh**
Battery model	**6200 powercell**
ESC brand	**Tekin**
ESC model	**RS Gen3 Spec**
Motor timing	**50 degrees**
Motor wind	**25.5 turns**

NOTES 15A charge 20A discharge. 1 cycle before each run