XRAY X4 '25

Setup: FSEARA race 1 Valkaria 2025 · Donovan Pinkerton (My wallet and my budget) · Oct 2, 2025

so dialed
Open/save in RC Setup App →

Scan to open in the app

EVENT

Event	ROAR Region 4 Championship
Class	25.5TC

TRACK

Track	Coral Springs Rc Raceway
Type	Outdoor asphalt
Grip / moisture	High / Dry
Surface / layout	Smooth / Medium
Air temp	110°F (43°C)
Track temp	140°F (60°C)

FRONT SUSPENSION

ACKERMANN

Inner steering link shims	0.5 mm
Steering plate	8mm
Anti-roll bar	1.3 mm
Axle height: hub shims	0.5 mm
Bump steer: outer steering link shims	3 mm
Camber	-2 degrees
Caster	4 degrees - 2 dot
Differential height	High
Downstop	5.6 mm
FF mount shims	2.5 mm
FR mount shims	2.5 mm
Hubs	Graphite
Lower arms	Hard (#302182/3-H)
Ride height	5.0 mm
Servo arm type	Hudy Aluminum servo saver
Servo saver shims	3 mm
Servo saver stud radius	18 mm

SHOCKS

Tower mount screws	Bulkhead
Tower shims	3 mm
Steering lock	26 degrees
Toe out	1 degrees

TRACK

Wheel hexes	+0mm
Wheel shims	0 mm
Upper arms	Soft (#302134/44-S)

UPPER ARMS

FF shims	1.5 mm
FR shims	1.5 mm
Outer shims	3 mm

NOTES Brass lower roll center shims ff and FR aluminumin RR and RF, titanium ballstuds throughout

REAR SUSPENSION

Anti-roll bar	1.2 mm
Axle height: hub shims	0.5 mm
Camber	-2 degrees
Caster	4.5 degrees - 2 dot rearward
Differential height	High
Downstop	4.8 mm
Hubs	Graphite
Lower arms	Hard (#303182/3-H)
RF mount shims	3 mm
Ride height	5.2 mm
RR mount shims	3 mm

SHOCKS

Holder type	Fixed
Tower mount screws	Bulkhead
Toe gain: toe link outer shims	3 mm
Toe in	2.5 degrees

TRACK

Wheel hexes	+0mm
Wheel shims	0 mm
Upper arms	Soft (#302134/44-S)

UPPER ARMS

Outer shims	3 mm
RF shims	1.5 mm
RR shims	1.5 mm

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Oil weight	375	375
Pistons	4x1.1mm	4x1.1mm
Rebound	0 %	0 %
Springs	2.4-2.7C	2.7C
Stroke	7.5 mm	7.5 mm

Shock oil brand	Hudy

DRIVETRAIN

Belts	Low-friction
Diff fluid brand	XRAY

DIFFS

Front type	Solid axle
Rear fluid	5,000 cst
Drive ratio - final	2.9
Drive ratio - internal	1.9
Driveshafts - front	58mm BB ECS
Driveshafts - rear	54mm BB CVD
Gear pitch	64
Pinion	53 teeth
Spur	80 teeth

NOTES Sortafast hybrid ceramic bearings throughout

BODY & CHASSIS

Battery position	**Fwd**
Body	**Wolverine w/ speciale wing**
BODY MOUNTS	
Front height	**7**
Front post-to-window distance	**67 mm**
Rear bumper height	**63 mm**
Rear type	**Horizontal**
Body stop height	**11 mm**
Bumper	**Rubber**
FLEX	
Chassis	**1.5mm aluminum**
Chassis T-brace	**No**
Motor mount screws	**3, 4**
Steering bridge brace	**No**
Top deck	**Front '23 with bridge, Rear '23**
Top deck screws	**2, 3**
Motor shims	**2 mm**
Rear wing	**Middle**
Rear wing side dam	**Yes**
Screws & turnbuckles	**Sortafast Titanium upper screws kit. ORC and Avid Titanium ballstuds throughout including under hubs. Xray titanium topdeck center screws.**
Servo mount screws	**1 - Front, 2**
Weight balance - F/R	**50 / 50 %**
Weight: total	**1323 g**
Weights	**2x 9g Sortafast in front of battery and servo. 5g in the center between servo and battery. 15g brass plate under receiver and fan. Xray motor mount weights all installed. Car was at 1321 in tech and 10g front heavy.**

NOTES .5 body and wing.

TIRES

	FRONT	REAR
Tire additive	**MGY**	**MGY**
Tire additive timing	**10 min**	**10 min**
Tire brand / type	**Sweep**	**Sweep**
Tire warmer temp	**65 degrees**	**65 degrees**
Tire warmer time	**10 min**	**10 min**
Wheel brand / type	**Sweep**	**Sweep**

Front tire additive area **Full mm**

NOTES Cleaned with D1RC , new tires first round, 1 runs on 2nd, and planned new for main, but rain prevented mains.

ELECTRONICS

Battery brand	**Tekin**
Battery C rating	**160 C**
Battery capacity	**6200 mAh**
Battery model	**6200 powercell**
ESC brand	**Tekin**
ESC model	**RS Gen3 Spec**
Motor brand	**Team Exalt**
Motor model	**Phoenix Gold**
Motor timing	**50 degrees**
Motor wind	**25.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio model	**M17**
Steering servo brand	**Power HD**
Steering servo model	**GTS2**

NOTES 20 amp

NOTES Brakes DR 80%