XRAY T4 '19

Setup: FSEARA Race 2 Nuggets Ranch(Arcadia) · Donovan Pinkerton
(My wallet and my budget) · Sep 28, 2025

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EVENT	
Event	FSEARA Race 2
Class	VTA

TRACK	
Track	Nuggets Ranch Arcadia
Type	Outdoor asphalt
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth / Open
Air temp	85°F (29°C)
Track temp	110°F (43°C)

RESULTS	
Race type	Main
Race number	A
Finish	9th
Best lap	22.317 s
Average lap	22.832 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1.0 mm
Outer steering link location	2 - Back
Steering plate	8.5mm
Anti-roll bar	1.4mm
Arm stiffeners	None
Arms	Hard
Bump steer: outer steering link shims	3.0 mm
Camber	-1 degrees
CAMBER LINK	
Inner link location	Rear long
Inner link shims	1.5 mm
Outer link shims	2.0 mm
Differential height	High
Downstop	7 mm
FF mount	1-Piece
FF mount inserts	0 center
FR mount	1-Piece
FR mount inserts	0.5 out
Hub carriers (caster)	4 deg Medium (#302363 / 4)
Ride height	5.0 mm
Servo saver arms	Composite
Shock spacers - tower/arm	1.5/0 mm
Shocks: tower mounting hole	2 - Mid-in (SLP tower)
Steering arm mounting	Standard
Steering blocks	Hard
Toe	+1 degrees
Tower	T4 '18
Track: wheel hexes	1mm
Wheelbase: arm spacers	1.0 mm

REAR SUSPENSION

Anti-roll bar	1.3mm
Anti-roll bar stud location	B - Middle (short arms)
Arm stiffeners	None
Arms	X-ray T4 '18
ARS link position	N/A
Camber	-1 degrees
CAMBER LINK	
Inner link location	Middle
Inner link shims	1.5 mm
Outer link location	A - Inside
Outer link shims	4.0 mm
Differential height	High
Downstop	6 mm
Hubs	0 deg Hard
RF mount	2-Piece (#303712-O/3-O)
RF mount inserts	0.5 up and out
Ride height	5.2 mm
RR mount	Aluminum
RR mount inserts	0.5 up
Shock spacers - tower/arm	3/1 mm
Shocks: tower mounting hole	2 - Mid-in (SLP tower)
Tower	Ultra-low profile
Track: wheel hexes	+0mm
Wheelbase: arm spacers	1.0 mm

BODY & CHASSIS

Battery holder	Xpress
Body	PF Mustang
Body mounts - front	+0mm
Body mounts - front eccentric	+0mm
Body mounts - rear	+0mm
Body position	Middle
Bumper	Light and strong
Bumper holder - upper	Composite
FLEX	
Chassis	Aeromax Medius
Inline chassis flex	No stiffener
Motor mount screws	1 - Front, 2, 3, 4, 5
Upper deck	Aeromax Medius
Upper deck spacers	0 mm
Motor mount plate	Aluminum
Weight balance (F/R)	50 / 50
Weight: total	1383 g
Weights	10g under steering arms on each side

SHOCKS

	FRONT	REAR
Oil weight	400 cst	400 cst
Pistons	4 x 1.1mm	4 x 1.1mm
Rebound	25 %	25 %
Shock type	Ultra low-profile	Ultra low-profile
Springs	2.5-2.8	2.7
Shock oil brand	XRAY	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	–	5,000 cst
Diff mass	–	9.40 g
Diff fluid brand	XRAY	
Rear diff gears	Kit	

DRIVETRAIN

Belt - front	348
Belt - rear	348 Arrowmax Conversion
Drive ratio - internal	1.9
Driveshaft adapters - front	Composite
Driveshaft adapters - rear	Aluminum
Driveshafts - front	ECS 51mm
Driveshafts - rear	Aluminum 50mm
Front drive type	Solid axle
Pinion	54 teeth
Spur	88 teeth

NOTES Could have went up at least 2 teeth on the pinion, but couldn't find one.

TIRES

	FRONT	REAR
Tire additive	**Mighty gripper yellow**	**Mighty gripper yellow**
Tire additive area	**In, Mid-in, Mid-out, Out**	**In, Mid-in, Mid-out, Out**
Tire brand / type	**HPI VTA**	**HPI VTA**
Tire compound	**VTA**	**VTA**
Tire insert	**Stock**	**Stock**
Tire prep	**Cleaned with D1RC Clean AF, then sauced, and heated for 10 minutes**	**Cleaned with D1RC Clean AF, then sauced, and heated for 10 minutes**
Wheel brand / type	**HPI VTA**	**HPI VTA**

NOTES Tried new tires with no sauce for the first half of practice, then tried sauced. With sauce was a consistent .2 faster.

ELECTRONICS

Battery brand	**Corally**
Battery capacity	**7000 mAh**
ESC brand	**Tekin**
ESC model	**RS**
Motor brand	**Hobbywing**
Motor timing	**47ish degrees**
Motor wind	**5.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio model	**MT44**
Receiver brand	**Das Micro**
Receiver model	**FH4**
Steering servo brand	**Xpert**
Steering servo model	**PI-3431**
Transponder ID	**2710911**

ESC SETTINGS

Brake: Drag	**0 %**