XRAY T4 '19

Setup: FSEARA Race 1 Valkaria 9/29/24 · Donovan Pinkerton (My wallet and my budget) · Oct 1, 2024

so dialed
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EVENT	
Event	FSEARA Race 1
Class	VTA

TRACK	
Track	Valkaria
Type	Outdoor asphalt
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Medium/Open
Air temp	95°F (35°C)
Track temp	120°F (49°C)

RESULTS	
Race type	Main
Race number	7
Finish	7th
Best lap	16.9 s
Average lap	17.3 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	1.0 mm
Differential height	Low
Downstop	7.5 mm
FF mount	1-Piece
FF mount inserts	0 center
FR mount	1-Piece
FR mount inserts	1 down
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 - Middle
Steering arm mounting	Standard
Steering blocks	Hard
Toe	+1 degrees
Tower	T4 '18
Track: wheel hexes	1mm
Wheelbase: arm spacers	1.0 mm

NOTES Noticed I had camber loss on compression. Will need to change link setup before next race. Tire wear seems to confirm this problem.

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	1.0 mm
Outer link location	A - Inside
Outer link shims	4.0 mm
Differential height	Low
Downstop	6.5 mm
Hubs	0 deg Hard
RF mount	2-Piece (#303712-O/3-O)
RF mount inserts	0.5 up and out
Ride height	5.4 mm
RR mount	Aluminum
RR mount inserts	0.5 up and out
Shock spacers - tower/arm	3mm
Shocks: tower mounting hole	2 - Mid-in (SLP tower)
Tower	Ultra-low profile
Track: wheel hexes	+0mm
Wheelbase: arm spacers	1.0 mm

NOTES 2° rear toe

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	2.7	2.6
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	3 x 513mm
Belt - rear	3 x 189mm
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	51 teeth
Spur	88 teeth

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	**15 grams at front servo and about 30 behind, 30 brass sheet below battery, 15 below rear belt centerline**

TIRES

	FRONT	REAR
Tire brand / type	**HPI VTA**	**HPI VTA**
Tire compound	**VTA**	**VTA**
Tire insert	**Stock**	**Stock**
Wheel brand / type	**HPI VTA**	**HPI VTA**

ELECTRONICS

Battery brand	**Tekin**
Battery capacity	**5900 mAh**
Battery model	**Powercell**
ESC brand	**Tekin**
ESC model	**RS**
Motor brand	**Trinity**
Motor model	**RevTech**
Motor timing	**47ish degrees**
Motor wind	**25.5 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**

NOTES Horsepower was shit. Time for a new motor.