XRAY T4 '21

Setup: HFCC base setup · Rick van den Akker (Tonisport) · Nov 4, 2022

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EVENT

Event	Training

TRACK

Track	HFCC racing, The Netherlands
Type	Outdoor asphalt
Grip / moisture	Low / Dry
Surface / layout	Medium / Tight

FRONT SUSPENSION

Anti-roll bar	1.4mm
Arms	Graphite (#302173-G / 4-G)
C-hubs (caster)	4 deg Medium (#302363 / 4)
Camber	-2 degrees
CAMBER LINK	
Inner stud location	1 - Rear
Inner stud spacers	2.0 mm
Outer stud spacers	2.0 mm
Differential height	High
Downstop	5,6 mm
FF mount inserts	0 center
FR mount inserts	0 center
Ride height	5.4 mm
Servo saver arms	Aluminum
SHOCKS	
Arm mount spacers	1.0 mm
Arm mounting hole	A - Top
Tower mount spacers	4.0 mm
Tower mounting hole	2 - Middle
Steering blocks	Hard
STEERING LINK	
Inner stud spacers	1.0 mm
Outer stud location	2 - Back
Outer stud spacers	2.0 mm
Steering lock	28 degrees
Steering plate	8.0mm
Steering plate spacers	5 mm
Toe	+1 degrees
Tower	ULP Graphite
Track: wheel hexes	+0mm
Wheelbase: arm spacers	1.0 mm

REAR SUSPENSION

Anti-roll bar	1.3mm
Anti-roll bar stud location	B - Outside
Arms	Graphite (#303173-G / 4-G)
ARS link position	N/A
Camber	-2 degrees
CAMBER LINK	
Inner stud location	1 - Front
Inner stud spacers	1.0 mm
Outer stud location	A - Inside
Outer stud spacers	4.0 mm
Differential height	High
Downstop	4.8 mm
RF mount inserts	0 center
RF mounts	Kit
Ride height	5.6 mm
RR mount inserts	0 center
SHOCKS	
Arm mount spacers	1.0 mm
Arm mounting hole	A - Top
Tower mount spacers	2.0 mm
Tower mounting hole	2 - Middle
Toe - final	+3 degrees
Tower	ULP Graphite
Track: wheel hexes	+0mm
Uprights / C-hubs	0 deg Hard
Wheelbase: arm spacers	1.0 mm

BODY & CHASSIS

Battery holder	Composite
Body	Zoo Racing DBX
Body mounts - front	+0mm
Body mounts - rear	+0mm
Body position	Middle
Bumper	Light and strong
Flex - chassis	Graphite 2.2mm
Flex - chassis brace screws	Soft - no brace
Flex - motor mount screws	Rear 3 - most flex
Flex - top deck	2mm Graphite
Flex - top deck flex	Bearing - medium
Flex - top deck spacers	0 mm
Flex: steering brace	No
Rear wing	Body default
Weights	27 gram below battery (lrp weight) 10 gram in front right 10 gram below receiver

SHOCKS

	FRONT	REAR
Oil weight	450 cst	450 cst
Pistons	4 x 1.1mm	4 x 1.1mm
Rebound	0	0
Shock type	Ultra low-profile	Ultra low-profile
Springs	2.5-2.8	2.6
Stroke	9 mm	9 mm
Shock oil brand	XRAY	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	–	5,000 cst
Diff mass	–	9.40 g
Diff fluid brand	Hudy	
Front diff type	Solid axle	
Rear diff gears	Kit	

NOTES 1.45gr in rear diff.
Don't use O-Ring

DRIVETRAIN

Belt - front	Standard
Belt - rear	Standard
Drive ratio - final	7.46
Drive ratio - internal	1.9
Driveshafts - front	ECS 52mm for 2mm pin
Driveshafts - rear	Aluminum 50mm
Gear pitch	64
Pinion	28 teeth
Spur	110 teeth

TIRES

	FRONT	REAR
Tire additive	MR33 v4	MR33 v4
Tire brand / type	Matrix ETS	Matrix ETS
Tire compound	36	36
Tire glue diameter	0 mm	0 mm
Tire insert	Matrix ETS	Matrix ETS
Tire prep	Clean with Wurth brake cleaner. Additive and heat for 15 minutes on 65 degrees	Clean with Wurth brake cleaner. Additive and heat for 15 minutes on 65 degrees
Wheel brand / type	Matrix ETS	Matrix ETS

NOTES Remove line from middle.

ELECTRONICS

Battery brand	**LRP**
Battery capacity	**5200 mAh**
Battery model	**HV HYPER LCG MODIFIED GRAPHENE-4**
ESC brand	**LRP**
ESC model	**Flow X**
Motor brand	**LRP**
Motor model	**X22**
Motor timing	**17,5 degrees**
Motor wind	**4.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA throttle	**96 %**
Radio model	**M17**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**482**
Steering servo brand	**PowerHD**
Steering servo model	**B7**

NOTES 15% expo steering
10% expo throttle
10% expo brake

Battery 215gr