XRAY T4 '20

Setup: Modified □□□□□ · NeVFlee · Jul 16, 2025

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EVENT

Class	modfied

TRACK

Track	
Type	Outdoor asphalt
Grip / moisture	Medium/Low / Dry/Dusty
Surface / layout	Medium/Bumpy / Medium
Air temp	15°C (59°F)

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
Arms	Graphite (#302173-G / 4-G)
Bump steer: outer steering link shims	2.0 mm
Camber	-1 degrees
CAMBER LINK	
Inner link location	1 - Rear
Inner link shims	2.0 mm
Outer link shims	2.0 mm
Differential height	High
Downstop	5.2 mm
FF mount	Kit
FF mount inserts	0 center
FF/RF mount position	Inside
FR mount	Kit
FR mount inserts	0.5 down
Hub carriers (caster)	4 deg Medium (#302363 / 4)
Ride height	5.4 mm
Servo saver arms	Aluminum
SHOCKS	
Arm mount shims	1.0 mm
Arm mounting hole	B - Bottom
Tower mount shims	4.0 mm
Tower mounting hole	2 - Middle
Steering blocks	Hard
Steering lock	28 degrees
Steering plate shims	5 mm
Toe	0 degrees
Tower	ULP Graphite Low
Track: wheel hexes	4mm
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 link location	1 - Front
Inner link shims	1.0 mm
Outer link location	A - Inside
Outer link shims	4.0 mm
Differential height	High
Downstop	4.2 mm
Hubs	0 deg Hard
RF mount inserts	0.5 down
RF mounts	Kit
RF/RR mount position	Inside
Ride height	5.6 mm
RR mount	Kit
RR mount inserts	0.5 down
SHOCKS	
Arm mount spacers	1.0 mm
Arm mounting hole	A - Top
Tower mount spacers	2.0 mm
Tower mounting hole	2 - Middle
Tower	ULP Graphite Low
Track: wheel hexes	4mm
Wheelbase: arm spacers	1.0 mm

SHOCKS

	FRONT	REAR
Oil weight	37.5 wt	37.5 wt
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
Shock oil brand	AXON	

NOTES shaft length 8.5mm

DIFFERENTIALS

	FRONT	REAR
Diff fluid	Spool cst	10,000 cst
Diff mass	–	9.40 g
Diff fluid brand	AXON	
Rear diff gears	Kit	

DRIVETRAIN

Belt - front	Standard
Belt - rear	Standard
Drive ratio - final	6.967
Drive ratio - internal	1.9
Driveshaft adapters - front	Aluminum
Driveshaft adapters - rear	Aluminum
Driveshafts - front	ECS 51mm
Driveshafts - rear	Aluminum 50mm
Front drive type	Solid axle
Pinion	30 teeth
Spur	110 teeth

NOTES front mid rear gear coating with tamiya vg fluorine coat

BODY & CHASSIS

Battery holder	Graphite/Alum Adjustable
Battery position	Front
Body	zooracing goat
Body mounts - front	+0mm
Body mounts - front eccentric	+0mm
Body mounts - rear	horizontal
Body position	Middle
Bumper	Wide and hard
Bumper holder - upper	Graphite
FLEX	
Chassis	Graphite
Chassis brace	Brass 15g
Chassis brace screws	Soft (front two)
Rear wing	tc high downforce with graphite side wing xtreme
Servo position	Standard
Top deck	1.6mm Graphite
Top deck flex	Bushing - stiff
Top deck spacers	0 mm
Weight balance (F/R)	51 / 49
Weight: total	1355 g
Weights	0

NOTES horizontal body post rcmaker

TIRES

	FRONT	REAR
Tire additive	MightyGripper Red	MightyGripper Red
Tire additive area	In, Mid-in, Mid-out, Out	In, Mid-in, Mid-out, Out
Tire brand / type	Rush VR3 24S	Rush VR3 24S
Tire compound	24S	24S
Tire glue diameter	all mm	all mm
Tire insert	Rush preGlue Yellow	Rush preGlue Yellow
Tire prep	5min tire addictive + warmer 60	5min tire addictive + warmer 60
Wheel brand / type	Rush	Rush

NOTES Try 32 or 28 with orange sauce

ELECTRONICS

Battery brand	Sunpadow
Battery C rating	160 C
Battery capacity	6100 mAh
Battery model	ULcG
ESC brand	Hobbywing
ESC model	XR10 pro g2 ellite
ESC settings	Turbo 20
Motor brand	SKYRC
Motor Kv constant	6750 Kv
Motor model	5.5T
Motor timing	10 degrees
Motor wind	5.5 turns
Radio brand	Sanwa/Airtronics
Radio model	M-17
Receiver brand	Sanwa/Airtronics
Receiver model	RX-491
Steering servo brand	Sanwa/Airtronics
Steering servo model	PGS-CL2

ESC SETTINGS

BOOST	
Activation	auto
RPM End	default rpm
RPM Start	default rpm
BRAKE	
Curve	linear
Drag	20 %
Frequency	2k kHz
Initial strength	20 %
Strength	100
Race mode	Modified
THROTTLE	
Curve	linear
Frequency	12k kHz
Neutral range	8 %
Strength	15
TURBO	
Activation method	full
Delay	0.05 seconds
Ramp	32
Timing	20 degrees