XRAY XB2C '22

Setup: Chargers · Dimitri Roumeliotis · Nov 27, 2022

so dialed
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EVENT	
Event	Practise
Class	2w Mod

TRACK	
Track	Chargers
Type	Outdoor hard-packed
Grip / moisture	High/Medium / Dry
Surface / layout	Smooth/Bumpy / Tight/Open
Air temp	25°C (77°F)

RESULTS	
Race type	Practice
Best lap	26.6 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	2 mm
Steering arms	2 slots
Anti-roll bar	1.0mm
Arms	LSM Graphite (#322113-G / 23-G)
Axle height	Long bushing down
Bump steer: outer steering link shims	0 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud location	Alum holder 2 - Inside
Inner stud shims	2 mm
Outer stud location	A - Inside
Caster block	Hard (#322210-H / 220-H)
Caster: hub carrier inserts	2.5 degrees
Kick-up: suspension mount	Composite 26 deg
Ride height	19 mm
Roll center holder	Hard
Servo horn stud shims	B6 horn with .75mm shim mm
SHOCKS	
Arm mount	Ball forward
Arm mounting hole	B - Outside
Tower mounting hole	4
Steering blocks	Graphite
Steering plate orientation	Ball studs forward (carpet)
Toe	-1 degrees
Tower	Graphite 3.5mm
Track: wheel hexes	2 slots +1.5mm
Wheelbase: hub carrier shims - F/R	2 / 0 mm

NOTES AE wheels

ELECTRONICS

Battery capacity	4800 mAh
ESC settings	8k, 20tr+ 9000 rpm boost 20°, turbo .2s 28° 40% softening, 20*
Motor timing	~20 degrees
Motor wind	7.5 turns

REAR SUSPENSION

Anti-roll bar	1.0mm
Arms	Hard (#363112-H / 122-H)
Camber	-2 degrees
CAMBER LINK	
Inner stud location	Alum mount / 1 - Inside
Inner stud shims	2 mm
Outer mount shims	2 mm
Outer stud location	Kit mount - Outside
Outer stud shims	3 mm
Differential height	2 dots down
Hub	Hard
Hub inserts (track/axle height)	1 in
RF mount inserts	1 out
Ride height	19 mm
Roll center holder	Aluminum
RR mount inserts	0 - center
RR mount shims	1.5 mm
Shock location	Front of arm
SHOCKS	
Arm mount	Ball forward
Arm mounting hole	A - Inside
Tower mounting hole	2 - Mid-in
Tower	Graphite LCG 4mm 4-hole
Track: wheel hexes	6 slots +4.5mm
WHEELBASE	
Arm shims - F/R	2 / 0 mm
Hub shims - F/R	0 / 3 mm

TIRES

	FRONT	REAR
Tire brand / type	Proline electron	Proline Positron
Tire compound	S3	S3
Tire insert	Closed-cell	Closed cell with deap v cut every second rob, "old type" foam

SHOCKS

	FRONT	REAR
Caps	Kit	Kit
Collars	Standard	Standard
Limiters - int/ext	0 / 2 mm	0 / 2 mm
Oil weight	40 wt	32.5 wt
Pistons	1.5/1.6	1.6/1.7
Rebound	0 %	0 %
Springs	40mm Progressive 3 dot	60mm Progressive 2 stripe
Stroke	24.5 mm	30 mm
Shock oil brand	Team Associated	

DRIVETRAIN

Differential balls	Carbide
Differential fluid	2,000 cst
Differential fluid brand	ARROWMAX
Differential mass	13.22 g
Differential type	Active - 120 degree
Drive ratio - final	23t pinion
Drive ratio - internal	2.65
Drive type	Slipper
Driveshafts	75mm
Gearbox	Front motor LCG composite
Slipper clutch pads	3
Slipper clutch tightness	-0.2mm
Spur	81 teeth

NOTES Loose, end of nut slightly proud of top shaft thread

BODY & CHASSIS

	FRONT	REAR
Wing	None	Tec
Body		Gamma 2C 0.75mm
Chassis		Mid
FLEX		
Side guard brace screws		1 - Front, 2, 3
Side guard screws		1 - Front, 2, 3, 4, 5
Rear wing mount position		Middle
Rear wing trim		Cutting line: 1 Side line: low
Servo position		2 - Middle
Upper brace		LCG Composite
WEIGHT		
Battery		40g TLR
Servo		Shorty

NOTES Large custom radio tray weight 2mm stainless steel ~60g (more)