XRAY XB4 '23

Setup: Big Barn starting setup · Robert Sorjonen · Jun 10, 2024

so dialed
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EVENT	
Event	Big Barn Shootout

TRACK	
Track	Chilliwack
Type	Indoor hard-packed
Grip / moisture	Medium / Dry
Surface / layout	Medium / Open
Air temp	17.5°C (64°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering link location	1 - Back
Steering arms	N/A
Anti-roll bar	1.0mm
Arms	Long hard
Axle height: steering block shims	Alum block: 1mm up / 1mm down
BUMP STEER	
Inner steering link shims	5 mm
Outer steering link shims	2 mm
C-hubs	12 deg Aluminum (#362234 / 44)
Camber	-2 degrees
CAMBER LINK	
Inner location	1 - Bottom
Outer shims	1 mm
Differential height	1 dot up - high
FF mount inserts	1 in
FR mount inserts	1 in
Ride height	19 mm
SHOCKS	
Arm mounting hole	1 - Inside
Tower mounting hole	3 - Mid-out
Steering blocks	Aluminum
Steering plate	Aluminum
Toe out	+1 degrees
Tower	Graphite
Track: wheel hexes	2 slots +1.5mm
Wheelbase: arm shims	2 min

TIRES

	FRONT	REAR
Tire brand / type	JConcepts Sprinter	JConcepts Sprinter
Tire compound	Green soft	Green soft
Tire inserts	JC	JC
Wheel brand / type	JConcepts	JConcepts

NOTES Balanced

REAR SUSPENSION

Anti-roll bar	1.2mm
Arms	Long hard (#363113-H / 23-H)
Camber	-2 degrees
CAMBER LINK	
Inner location	2 - Middle
Outer location	2-hole mount inward / inside
Outer mount shims	0 mm
Outer shims	2 mm
Differential height	1 dot up
RF mount inserts	1 in
RF/RR mount orientation	Down
Ride height	20 mm
RR mount inserts	0 center
SHOCKS	
Arm mounting hole	1 - Inside
Tower mounting hole	3 - Mid-out
Toe in	2 degrees
Tower	Graphite
Track: wheel hexes	3 slots +2.25mm
Upright inserts (track/axle height)	1 up
Uprights	Aluminum high
WHEELBASE	
Arm shims	2 mm
Hub shims	1 mm

BODY & CHASSIS

	FRONT	REAR
Wing	–	JConcepts

Battery post - front	1 - Front
Battery post - rear	2
Battery size	Low short
Body	Delta 4C 0.75mm
Central bulkhead	Aluminum
Chassis	Aluminum
Chassis brace - front	Hard with wire cover
Chassis brace - front screws	1 - Front, 2, 3
Chassis brace - rear	Hard with graphite
Chassis brace - rear screws	1 - Front, 2, 3, 4
Chassis side guards	Hard
Motor mount position	Front
Rear wing cutting line	2
Rear wing position	Middle
Rear wing side dam trim	Low
Screws & turnbuckles	Ti

SHOCKS

	FRONT	REAR
Caps	Kit	Kit
Limiters - external	0 mm	0 mm
Limiters - internal	1 mm	2 mm
Oil weight	550 cst	350 cst
Pistons	2x1.9/2.0	2x1.8/1.9
Rebound	0 %	0 %
Spring cups	Associated medium	Associated medium
Springs	Asc yellow	Asc blue
Stroke	23 mm	29 mm

Shock oil brand: XRAY

DIFFERENTIALS

	FRONT	REAR
Diff crown gear	40T	40T
Diff fluid	10,000 cst	10,000 cst
Diff mass	13.07 g	13.07 g
Diff type	Active - 90 deg	Composite gear

Center diff fluid	100,000 cst
Center diff type	Active - 90 deg

DRIVETRAIN

Central slipper clutch tightness	13 mm
Drive ratio - internal	2.5
Driveshafts - front	83mm CVD
Driveshafts - rear	75mm
One-way slipper clutch tightness	1 turn
Pinion	20 teeth
Spur	81 teeth

ELECTRONICS

Battery brand	ProTek
Battery capacity	4800 mAh
Battery model	LiHV 4800
ESC brand	Maclan
ESC model	M32 Pro 160
Motor brand	Maclan
Motor model	MRR V4m
Motor wind	6 turns
Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver brand	Sanwa/Airtronics
Receiver model	RX493
Servo brand	Xpert
Servo model	R3
Transponder ID	5293328