XRAY XB8 '20-'21

Setup: US Open 2021 Winning Nitro Setup · Ty Tessman (XRAY) · May 22, 2022

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EVENT

Event	US Open Fuel Championships 2021
Class	Nitro Buggy

TRACK

Track	Sun City RC Raceway
Type	Outdoor hard-packed
Grip / moisture	Medium / Dusty
Surface / layout	Bumpy/Blown-out / Medium
Air temp	75°F (24°C)

RESULTS

Race type	Main
Race number	A

FRONT SUSPENSION

Ackermann: inner steering link location	4 - Front
Anti-roll bar	2.0mm
Anti-roll bar end gap	1.5 mm
BUMP STEER	
Inner steering link shims	0 mm
Outer steering link shims	0 mm
C-hub	N/A
C-hub: Caster bushings	N/A
Camber	-1 degrees
Caster: upper arm mount shims - F/R	Front 3mm / rear 1mm
Droop	108 mm
FF mount inserts	1 down and in
Front diff case	Front 0mm / rear 2mm
Front diff case	1 up
Front diff case	1 down and in
Front diff case	No
Front diff case	0
Front diff case	5 - Top middle
Front diff case	N/A
Front diff case	Graphite
Hubs	Pivot ball Graphite
Ride height	23 mm
Shocks: arm mounting hole	B - Outside
Steering block arm	2 dots
Toe	-1 degrees
Tower	Aluminum
TRACK	
Lower arm pivot ball shims	0 mm
Wheel hexes	+1mm
Upper arm: mount inserts - front	0 center
Upper arms	Graphite

REAR SUSPENSION

Anti-roll bar	2.2mm
Anti-roll bar arm mount	Outside
Anti-roll bar end gap	1.5 mm
Arms	LSM Graphite (#353124/5-G)
Camber	-2 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	C - Outside
Front diff case	B - Outside
Front diff case	128
Front diff case	Kit
Front diff case	3 - Bottom mid-out
Front diff case	1 down and in
Front diff case	+2mm
Hub pin location	Outside top
Hubs	Graphite
RF mount	Kit
RF mount inserts	1 down and in
Ride height	28 mm
Tower	Aluminum
WHEELBASE	
Arm spacers	Long (front of arm)
Hub spacers - F/R	Front 2mm / rear 2mm

DRIVETRAIN

Brake pads	Kit
Clutch shoes & springs	Shoes: 4 hard Springs: 2 medium, 2 soft
Driveshafts - front	CVD
Driveshafts - rear	CVD 93mm
Front diff case	13
Front diff case	CVD
Front diff case	CVD
Front diff case	Ventilated
Spur	48 teeth

TIRES

	FRONT	REAR
Tire compound	Medium	Medium
Tire insert	HotRace	HotRace
Wheel brand / type	HotRace	Black carbon
Front diff case	HotRace	
Rear tire brand / type	Bangkok v2	

SHOCKS

	FRONT	REAR
Bodies	Kit	Kit
Membrane	Soft clear	Soft clear
Pistons	3x1.3mm / 5x1.2mm	6x1.35mm
Shafts	61mm	67.5mm
Shock length	108 mm	128 mm
Springs	Prog 69mm 4 dot C0.8-0.83	Prog 85mm 3 dot C0.68-0.7

Front diff case	0
Front diff case	400 cst
Front diff case	47.5
Front diff case	36.75
Front oil weight	550 cst
Front rebound	0 %
Shock oil brand	XRAY

DIFFERENTIALS

	FRONT	REAR
Diff case	Graphite	Graphite
Center diff case	v2 Center diff graphite (#355023-G_	
Center diff fluid	7,000 cst	
Front diff fluid	6,000 cst	

ENGINE

Engine brand	FX
Engine model	K303
Front diff case	VP Tessman Blend 30%
Glow plug	FX X4
Pipe / header	FX 2169 / FX Short

BODY & CHASSIS

Body	Easy Light
Center diff mounting plate	Graphite
Chassis sideguard braces	None
Front diff case	Lexan
Front diff case	2 piece graphite
Front diff case	Composite
Front diff case	Soft
Radio case	Hard

NOTES Middle position
Wing holder: Rear