XRAY XB8E '20-'21

Setup: US Open 2021 Winning Ebuggy Setup · Ty Tessman (XRAY) · Jul 12, 2022

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EVENT

Event	US Open Fuel Championships 2021
Class	Ebuggy

TRACK

Track	SCRC
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
Finish	1st

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	
Camber link: outer stud location	N/A
Caster bushings	N/A
Camber	-1 degrees
Camber: upper arm pivot ball shims	0 mm
Caster: upper arm mount shims - F/R	Front 3mm / rear 1mm
FF mount inserts	1 down and in
FR mount inserts	1 down and in
Hubs	Pivot ball Graphite
Lower arms	Graphite
Ride height	24 mm
Servo saver tightness	Tight
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	5 - Top middle
Steering block arm	2 dots
Steering block trail	No
Toe	-1 degrees
Tower	Aluminum
TRACK	
Lower arm pivot ball shims	0 mm
Wheel hexes	+2mm
UPPER ARM	
Mount inserts - front	0 center
Mount inserts - rear	1 down and in
Upper arms	Graphite
Wheelbase: lower arm shims - F/R	Front 0mm / rear 2mm

REAR SUSPENSION

Anti-roll bar	2.2mm
Anti-roll bar arm mount	Outside
Anti-roll bar end gap	1.5 mm
Arms	LSM Graphite
Camber	-2 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	C - Outside
Hub pin location	Outside top
Hubs	Graphite
RF mount	Kit
RF mount inserts	1 down and in
Ride height	28 mm
RR mount	Kit
RR mount inserts	1 down and in
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3 - Bottom mid-out
Tower	Aluminum
Track: wheel hexes	+2mm
WHEELBASE	
Arm shims	Long (front of arm)
Hub shims - F/R	Front 2mm / rear 2mm

BODY & CHASSIS

Body	Easy Light
Center diff mounting plate	Graphite
Chassis brace - rear	2 piece graphite
Chassis sideguard braces	None
Chassis sideguards	Soft
Front upper plate	Composite
Rear wing	Lexan

NOTES Battery layout: saddle, towards rear

NOTES Position: middle
Holder: rear

SHOCKS

	FRONT	REAR
Bodies	Kit	Kit
Membrane	Soft clear	Soft clear
Oil weight	550 cst	400 cst
Pistons	3x1.3mm / 5x1.2mm	6x1.35mm
Rebound	0 %	0 %
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
Stroke	36.75 mm	47.5 mm
Shock oil brand	XRAY	

DIFFERENTIALS

	FRONT	REAR
Diff case	Graphite	Graphite
Diff fluid	6,000 cst	2,000 cst
Center diff case	v2 Center diff graphite	
Center diff fluid	7,000 cst	

DRIVETRAIN

Driveshaft - center front	CVD
Driveshaft - center rear	CVD
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	16 teeth
Spur	46 teeth

TIRES

	FRONT	REAR
Tire brand / type	TPRO	Bangkok v2
Tire compound	Soft	Medium
Tire insert	–	Hotrace
Wheel brand / type	–	Black Carbon

ELECTRONICS

Battery brand	NOSRAM
Battery capacity	5900 mAh
Battery model	Lihv
ESC brand	Hobbywing
ESC model	2200
Motor brand	Hobbywing
Motor Kv constant	2200 Kv