Mugen MBX8 Worlds Edition

Setup: My Base Setup · Spencer Klein · Mar 10, 2022

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EVENT

Event	Shaws rc red river shootout main's

TRACK

Track	Shaws rc
Type	Outdoor loose/loamy
Grip / moisture	Low / Muddy
Surface / layout	Rutted / Tight

FRONT SUSPENSION

Anti-roll bar	2.3mm
Droop	104.5 mm
FF (A) mount inserts	Middle
FR (B) mount inserts	Middle
Hub carrier	0 trail
LOWER ARM	
Pillow ball spacers	1.0 mm
Pillow balls	Kit
Stiffeners	None
Ride height	23 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3
Steering block arm	-3mm
Steering link: inner stud location	3
Steering plate - upper	Plastic
Toe	+2 degrees
Tower	Aluminum
Upper arm spacers (caster)	Front 2mm / rear 2mm
UPPER ARM	
Mount inserts - front	Middle
Mount inserts - rear	Middle
Pillow ball spacers	1.0 mm
Pillow balls	Kit
Wheel hex	+1mm
Wheelbase (lower arm spacers)	1mm

BODY & CHASSIS

Body	Phoix performence bodys-nightfox body
Chassis brace - front	Short
Chassis brace - rear	Rubber
Engine mount	One piece
Rear wing	Hp rear wing
Rear wing height	3
Rear wing mount	+15mm
Rear wing position	Middle
Weights	20g rear

REAR SUSPENSION

Anti-roll bar	2.5mm
Arm stiffeners	None
Axle height (hub pin hole)	High (low pin)
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	3 - Inside top
Outer stud location	C - Outside
Droop	118.5 mm
Hubs	Middle pill insert
RF (C) mount inserts	Bottom
RF (C) mounts	0mm
Ride height	24 mm
RR (D) mount inserts	Top middle
SHOCKS	
Arm mounting hole	B - Outside
Arm pivot ball orientation	Front
Tower mounting hole	3
Toe	-2.5 degrees
Tower	Aluminum
Wheel hex	+1mm
Wheelbase (arm spacers)	-1mm
Wheelbase (hub spacers)	Front 5mm / rear 0mm - long

ENGINE

Engine brand	REDS
Engine model	721gen2
Fuel	Nitropro 30% 9%oil
Glow plug	Reds
Head clearance	Stock
Pipe / header	Stock

NOTES 7mm veture

ELECTRONICS

Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver battery	Proteck rc
Receiver brand	Sanwa/Airtronics
Receiver model	Telemitry antina
Steering servo brand	ProTek
Steering servo model	170sbl
Throttle servo brand	ProTek
Throttle servo model	170tbl
Transponder ID	8301641

SHOCKS

	FRONT	REAR
Oil weight	550 cst	400 cst
Pistons	6x1.35-1.45 mip blue vaulve	6x1.35-1.50 mip green valvue
Rebound	0 %	0 %
Springs	70mm 1.6mm x 9.25T	86mm 1.6mm x 10.75T
Stroke	32 mm	40 mm
Shock oil brand	Flash Point	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	7,000 cst	5,000 cst
Diff ring/pinion	42/12 teeth	42/12 teeth
Center diff fluid	8,000 cst	
Center diff type	Kit	
Diff fluid brand	Flashpoint	

NOTES Flahpoint alm diff pins

DRIVETRAIN

Brake bias	Front 60 / rear 40
Center shafts	Mugen dogbone kit
Clutch shoes & springs	Reds 4 shoe adjustible clucth. Low seting with 1.0 springs and 2 carbon 2 aluminom shoes
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	14 teeth
Spur	46 teeth

TIRES

	FRONT	REAR
Tire brand / type	AKA gridiron 2	AKA gridiron 2
Tire compound	SSLW	SSLW
Tire insert	Closed-cell	Closed-cell
Tire prep	Two 2.5mm holes 180° apart/rims get 3.0mm holes 180° apart and offset from holes in tire.	Two 2.5mm holes 180° apart/rims get 3.0mm holes 180° apart and offset from holes in tire.
Wheel brand / type	AKA	AKA