Mugen MBX8 Worlds Edition

Setup: PHDR Setup · Jackson Beale · Aug 12, 2020

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TRACK

Track	PineHillsDirtRacing
Type	Outdoor hard-packed

FRONT SUSPENSION

Anti-roll bar	2.3mm
Camber	-3 degrees
Droop	105 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	Plastic
Ride height	24 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3
Steering block arm	-3mm
Steering link: inner stud location	3
Steering plate - upper	Graphite
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	0mm
Wheelbase (lower arm spacers)	0 mm

TIRES

	FRONT	REAR
Tire brand / type	Proline - Slidelocks	Proline - Slidelocks
Tire compound	S3	S3
Tire insert	Open-cell	Open-cell
Wheel brand / type	Proline	Proline

REAR SUSPENSION

Anti-roll bar	2.8mm
Arm stiffeners	Plastic
Axle height (hub pin hole)	Low (high pin)
Camber	-3 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	B - Middle
Droop	125 mm
Hubs	Aluminum
RF (C) mount inserts	Middle
RF (C) mounts	0mm
Ride height	26 mm
RR (D) mount inserts	Bottom 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)	0 mm
Wheelbase (hub spacers - front)	Front 2.5mm / rear 2.5mm

NOTES Truggy front shock tower on the back

BODY & CHASSIS

Body	Kit
Chassis brace - front	Short
Chassis brace - rear	Kit
Engine mount	Standard
Rear wing	Kit
Rear wing height	2
Rear wing mount	Kit
Rear wing position	Middle

SHOCKS

	FRONT	REAR
Oil weight	600 cst	500 cst
Pistons	MIP pistons	MIP Piston
Springs	70mm 1.6mm x 9.25T	86mm 1.6mm x 10.75T
Stroke	33 mm	40 mm
Shock oil brand	Mugen Seiki	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	10,000 cst	4,000 cst
Diff ring/pinion	42/12 teeth	42/12 teeth
Center diff fluid	7,000 cst	
Center diff type	Kit	

DRIVETRAIN

Center shafts	Low friction CVD (#E2261, #E2262)
Clutch shoes & springs	4 aluminum shoes with 1.0mm springs
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	13 teeth
Spur	46 teeth

ENGINE

Engine brand	Reds
Engine model	721 Scuderia
Fuel	Maxima
Glow plug	Reds
Pipe / header	Reds One X

NOTES O.S 21j carb

ELECTRONICS

Radio brand	Futaba
Radio model	7PX
Receiver battery	Zombie
Steering servo brand	Futaba
Throttle servo brand	Futaba