TLR 8IGHT-X 2.0

Setup: Matt Samra - AF advised base setup · Matthew Samra · Feb 22, 2023

so dialed
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TRACK

Track	Southern Districts Model Car Club
Type	Outdoor hard-packed
Grip / moisture	High / Dry
Surface / layout	Smooth / Medium

FRONT SUSPENSION

ACKERMANN	
Inner steering link location	1 - Back
Steering arms	A
Anti-roll bar	2.5mm
Arm mount inserts - A	1 down and out
Arm mount inserts - B	0.5 down and in
Arm stiffeners	Standard
Axle height	Low (1mm on top)
BUMP STEER	
Inner steering link shims	4 mm
Outer steering link shims	2 mm
Camber	-2.5 degrees
CAMBER LINK	
Inner link location	4 - Mid-top
Outer link location	B - Outside
Droop	29 mm
Hub carriers	Plastic 17.5 deg
Ride height	25 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	2 - Mid-in
Steering bellcrank	Composite
Steering blocks	Aluminum
Toe	-1 degrees
Track: wheel hexes	+0mm
Wheelbase: arm shims - F/R	1 / 0 mm

BODY & CHASSIS

Battery position	Front
Body	8X 2.0
FLEX	
Chassis brace	Composite
Chassis rib brace	Carbon
Rear wing	TLR Plastic
Rear wing location	Rear top
Rear wing wickerbill	None

NOTES 10mm Wing Riser

REAR SUSPENSION

Anti-roll bar	2.6mm
Arm mount inserts - C	0.5 down
Arm mount inserts - D	1 down
Arm stiffeners	None
Axle height: hub inserts	2 - Middle
Camber	-2.5 degrees
CAMBER LINK	
Inner link location	5 - Top
Outer link location	C - Outside
Droop	28 mm
Hubs	8X 2.0
Ride height	26 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Mid-in
Track: wheel hexes	+0mm
WHEELBASE	
Arm shims - F/R	2/1 mm
Hub shims - F/R	1/2 mm

DRIVETRAIN

Brake bias - F/R	50/ 50
Clutch shoes & springs	2x aluminum shoes & green springs, 2x carbon shoes & green springs
Drive ratio - internal	3.31
Driveshafts - front	8X elite universals
Driveshafts - rear	Universal
Flywheel	Aluminum
Pinion	13 teeth
Spur	47 teeth

NOTES 8X elite universals temporarily used in front to prevent driveshafts popping out of outdrive cups

ELECTRONICS

Radio brand	Futaba
Radio model	10px
Receiver battery	Dynamite 2200mah
Receiver brand	Futaba
Receiver model	R404sbs
Steering servo brand	Spektrum
Steering servo model	S6290
Throttle servo brand	Spektrum
Throttle servo model	S6290

SHOCKS

	FRONT	REAR
Oil weight	55 wt	50 wt
Pistons	Kyosho 8x 1.2 tapered	Kyosho 8x 1.3 tapered
Rebound	0 %	0 %
Shafts	3.5mm	3.5mm
Shock type	Emulsion	Emulsion
Springs	EVO 5.5 Gray	EVO 4.0 Orange
Shock oil brand	Team Losi	

NOTES Rear should be 47.5wt, but using 50wt until I get more oil

DIFFERENTIALS

	FRONT	REAR
Diff case	HD	HD
Diff fluid	15,000 cst	7,000 cst
Diff mass	40.3 g	42.7 g
Diff pins	Steel	Steel
Center diff case	HD	
Center diff fluid	12,000 cst	
Center diff mass	40.7 g	
Center diff pins	Steel	
Diff fluid brand	TLR	

ENGINE

Engine brand	OS
Engine model	Drake AD3
Fuel	Nitro-X
Glow plug	OS P4
Pipe / header	O.S Speed TB02 EFRA2089

TIRES

	FRONT	REAR
Tire brand / type	Proline	Proline
Wheel brand / type	TLR44000	TLR44000