Mugen MTC3

Setup: RC Addict Baseline - 17.5 Blinky · Steven G · Oct 6, 2026

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EVENT	
Event	Initial Build/Practice

TRACK	
Track	RC Addict Bangkok
Type	Outdoor asphalt
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Medium

FRONT SUSPENSION

ACKERMANN	
Inner steering link position	Front
Outer steering link location	In
Anti-roll bar	1.2 mm
Axle height: upright shims	0.5
Bump steer: outer steering link shims	3 mm
Camber	-1.5 degrees
Caster	4 degrees
Diff height	High
Droop	23.6
KPI: steering arms	A
Lower arms	Standard
LOWER ARMS	
FF shims	0 mm
FR shims	0.5 mm
Ride height	5 mm
Servo horn length	16 mm
SHOCKS	
Arm mounts	Outside
Tower type	Fixed
Upper ball	Vertical
Upper position	2 mm
Steering angle - in/out	- / 16 degrees
Toe	-1 degrees
Track: wheel hexes	+0 mm
UPPER LINKS	
FF shims	2 mm
FR shims	2 mm
Outer shims	5 mm

REAR SUSPENSION

Anti-roll bar	1.1 mm
Axle height: upright shims	1 mm
Camber	-2 degrees
Caster	-3 degrees
Diff height	High
Downstop	22.4 mm
LOWER ARMS	
RF shims	0.5 mm
RR shims	2.5 mm
Ride height	5.2 mm
SHOCKS	
Arm mounts	In
Tower type	Active
Upper ball	Horizontal
Upper position	2 mm
Toe	2 degrees
Toe link: outer shims	3 mm
Track: wheel hexes	+0 mm
UPPER LINKS	
Outer shims	4 mm
RF shims	1.5 mm
RR shims	1.5 mm

TIRES

	FRONT	REAR
Tire brand / type	Ride RTS Asphalt Spec 24mm Controlled Tire, 16 Spoke Wheel, RTS Insert	Ride RTS Asphalt Spec 24mm controlled Tire, 16 Spoke Wheel, RTS Insert

SHOCKS

	FRONT	REAR
Oil weight	450 cst	400 cst
Pistons	4 x 1.1mm	4 x 1.1mm
Springs	4.5T	4.25T
Stroke	7.5 mm	7.5 mm
Shock oil brand	Mugen Seiki	

NOTES Front Bypass Shocks

DRIVETRAIN

Belt tension - F	0
Belt tension - F	0
Diff fluid	7,000 cst
Diff fluid mass	1.5 g
Diff outdrives	Standard
Drive ratio - final	4.07
Drive ratio - internal	1.9
Driveshafts - front	Double-jointed
Driveshafts - rear	CV
Gear pitch	64
Outdrives	Standard
Pinion	42 teeth
Spur	90 teeth

BODY & CHASSIS

Body	Stock
FLEX	
Chassis	1.5mm Alum
Motor mount screws	1 - Front, 2, 3, 4
Upper decks	F: 2.0mm (#A2179/20) R: 2.2mm (#A2179/22)
Weight balance - F/R	50 / 50 %
Weight: total	1300 g

ELECTRONICS

Battery brand	**Team Cayote CA682S145 6800mAh 7.6V 2S 145C LiPo-HV**
Battery C rating	**145 C**
Battery capacity	**6800 mAh**
Battery model	**CA682S145**
ESC brand	**Team Cayote**
ESC model	**Crest X Evo - Boost Off**
ESC settings	**Blinks Mode - Boost Off, Turbo Off**
Motor brand	**RTS RC Addict HI-Rev Spec V2.0 17.5T**
Motor model	**RC Addict HI-REV Spec V2.0**
Motor wind	**17.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**100 %**
Radio EPA throttle	**80 %**
Radio model	**M17S**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX-493i**
Steering servo brand	**Power HD**
Steering servo model	**GTS-2**
Transponder ID	**9306289**

NOTES 2S LiHV - Follow RC Addict maximum charge voltage

ESC SETTINGS

Boost: Timing	**0 degrees**
Race mode	**Blinky**
THROTTLE	
Curve	**Linear**
Frequency	**16 kHz**
Initial strength	**5 %**
Turbo: Timing	**0 degrees**