AE RC10 B6.3

Setup: MB Models - glued down staggers · Tim T (Willspeed) · Jan 8, 2025

so dialed
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EVENT

Event	Club night

TRACK

Track	MB Raceway
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Tight
Air temp	25°C (77°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering stud spacers	0 mm
Steering plate	+1mm
Anti-roll bar	1.0mm Blue
Arms	Gull-wing
Axle height	+2 mm
Bulkhead	Plastic
Bumpsteer: outer steering stud spacers	1 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud location	2 - Middle
Inner stud spacers	0 mm
Outer stud location	B - Outside
Caster	30 deg - Kick-up: 25 / Block insert: +5
Ride height	13 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	3 - Outside
Steering stop spacers	0 mm
Toe	+1 degrees
Tower	B6.3 Gull-wing
Track: wheel hexes	5mm Aluminum
Trail: steering block	4 mm
Wheelbase: caster block spacers - F/R	0 / 1 mm

NOTES Angled b6.4 camber link mount

TIRES

	FRONT	REAR
Tire brand / type	Schumacher low profile cut stagger	Schumacher catus
Tire compound	Yellow	Yellow
Wheel brand / type	Schumacher	Schumacher
Tire prep - F/R	Front sidewalls glued down to rim. Inner and outer rows of spikes removed from rear tires.	

REAR SUSPENSION

Anti-roll bar	1.3mm Gray
Arms	75mm
Axle height: hub insert	+3 mm (0/3 down)
C mount	Wide aluminum
C mount inserts	1 out
Camber	-1 degrees
CAMBER LINK	
Inner stud location	2 - Middle
Inner stud spacers	2 mm
Outer stud mount spacers	2 mm
Outer stud spacers	1 mm
D mount	RDRP -1 d mount
D mount inserts	0 center
Differential height	3 mm
Hubs	Plastic
Ride height	13 mm
Shock location	Front of arm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	3 - Mid-out
Tower	Wide
Track: wheel hexes	5mm
WHEELBASE	
Arm shims	Long (back)
Hub shims	Long (back)

NOTES -3mm rear shock tower mount

BODY & CHASSIS

	FRONT	REAR
Wing	None	Willspeed low drag
Battery position	Front hole / 3	
Body	Penguin slayer	
Chassis	Willspeed RF3	
Rear wing angle	0 degrees	

NOTES Carbon rails, brass radio tray, carbon rear skid plate. 30g battery weight, long chassis position

ESC SETTINGS

Boost: Timing	10 degrees
Brake: Drag	0 %
TURBO	
Delay	0.1 seconds
Timing	15 degrees

SHOCKS

	FRONT	REAR
Cup offset	5 mm	0 mm
Eyelet length	+0mm Short	+2mm Long
Limiters - internal/external	0 / 0 mm	0 / 1 mm
Oil weight	45 wt	35 wt
Pistons	2 x 1.6mm FT v2	2 x 1.7mm FT v2
Shafts	v2 3x21mm TiN	v2 3x27.5mm TiN
Springs	5.10lb Orange	WS green 2.3lb
Stroke	22.5 mm	28 mm
Shock oil brand	Team Associated	

NOTES Thin pistons (#91621)

DRIVETRAIN

Axle	+2mm CVA
Clutch pads	2 x 11mm ID Octalock LCF
Clutch type	Slipper; HD B6.3
Differential fluid	12,000 cst
Differential fluid brand	Tamiya
Differential type	Gear
Drive ratio - internal	2.60
Driveshafts	69mm
Pinion	24 teeth
Spur	78 teeth
Transmission gears	3
Transmission orientation	Laydown

NOTES 4 gear diff

ELECTRONICS

Battery brand	Intellect Pioneering
Battery capacity	4400 mAh
Battery model	IP lcg
ESC brand	Hobbywing
ESC model	XR10 pro
Motor brand	Surpass
Motor model	Rocket V5R
Motor timing	30 degrees
Motor wind	7.5 turns
Radio brand	Sanwa/Airtronics
Radio EPA steering	90 %
Receiver brand	Sanwa/Airtronics
Servo brand	Savox

NOTES 90 steering dr, 70 brake