AE RC10 B6.3

Setup: MB Models · Tim T (Willspeed) · Nov 8, 2023

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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	None
Arms	Gull-wing
Axle height	+0 mm
Bulkhead	Steel 25/30 degree
Bumpsteer: outer steering stud spacers	0 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud location	3 - Outside
Inner stud spacers	1 mm
Outer stud location	A - Inside
Caster	30 deg - Kick-up: 25 / Block insert: +5
Ride height	14 mm
SHOCKS	
Arm mounting hole	C - Outside
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 not 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	3 mm
Outer stud mount spacers	2 mm
Outer stud spacers	0 mm
D mount	RDRP -1 d mount
D mount inserts	1 down and in
Differential height	3 mm
Hubs	Plastic
Ride height	14 mm
Shock location	Front of arm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	4 - Outside
Tower	Wide
Track: wheel hexes	5mm
WHEELBASE	
Arm shims	Long (back)
Hub shims	Long (back)

NOTES -3mm rear shock tower mount, hubs swapped left to right

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, carbon radio tray, carbon rear skid plate.

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	1 / 0 mm
Oil weight	40 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	2.20lb Blue
Stroke	24 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	20,000 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 2 gear diff

ELECTRONICS

Battery brand	Intellect Pioneering
Battery capacity	4800 mAh
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	95 %
Receiver brand	Sanwa/Airtronics
Servo brand	Savox

NOTES 95 steering dr