AE RC10 B6.3

Setup: AE B6.3 BMR Nationals 2022 · Jaundre Baker · Mar 18, 2023

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EVENT	
Event	Nationals 2022
Class	2wd Stock A Mains

TRACK	
Track	Bushveld Model Racing
Type	Outdoor carpet
Grip / moisture	Medium/Low / Dry/Dusty
Surface / layout	Bumpy / Medium
Air temp	32.5°C (91°F)
Track temp	40°C (104°F)

RESULTS	
Race type	Main
Race number	1
Finish	10th

FRONT SUSPENSION

ACKERMANN	
Inner steering stud spacers	1 mm
Steering plate	Kit
Anti-roll bar	1.0mm Blue
Arms	Gull-wing
Axle height	+3 mm
Bulkhead	Brass
Bumpsteer: outer steering stud spacers	0 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud location	2 - Middle
Inner stud spacers	1 mm
Outer stud location	A - Inside
Caster	30 deg - Kick-up: 25 / Block insert: +5
Ride height	15 mm
SHOCKS	
Arm mounting hole	C - Outside
Tower mounting hole	3 - Outside
Steering stop spacers	0 mm
Toe	0 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 Steel steering rack
1mm spacer on steering rack link

ELECTRONICS

Battery brand	NOSRAM
Battery C rating	135 C
Battery capacity	5900 mAh
Battery model	Graphene 4
ESC brand	Hobbywing
ESC model	Xerun XR10 Stock Spec 80A
Motor brand	Fantom
Motor model	Icon
Motor timing	49 degrees
Motor wind	17.5 turns
Radio brand	Sanwa/Airtronics
Radio model	MT4S
Servo brand	Power HD
Servo model	B7 Pro

REAR SUSPENSION

Anti-roll bar	1.2mm White
Arms	73mm
Axle height: hub insert	+3 mm (0/3 down)
C mount	Wide aluminum
C mount inserts	1 up and out
Camber	-2 degrees
CAMBER LINK	
Inner stud location	1 - Inside
Inner stud spacers	1 mm
Outer stud mount spacers	2 mm
Outer stud spacers	2 mm
D mount	Wide aluminum
D mount inserts	1 down and out
Differential height	3 mm
Hubs	Plastic
Ride height	15 mm
Shock location	Front of arm
SHOCKS	
Arm mounting hole	C - Outside
Tower mounting hole	3 - Mid-out
Tower	Wide
Track: wheel hexes	5mm
WHEELBASE	
Arm shims	Long (back)
Hub shims	Long (back)

BODY & CHASSIS

	FRONT	REAR
Wing	Kit	Kit

Battery position	Front hole / 5
Body	Kit
Chassis	B6.3 +3mm
Rear wing angle	6 degrees
Screws & turnbuckles	Stock
WEIGHT	
Electronics plate	Steel
Servo	None
Total	1515 g

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	35 wt	32.5 wt
Pistons	2mm 2x1.5mm FT v2	2mm 2x1.6mm FT v2
Shafts	v2 3x21mm TiN	v2 3x27.5mm TiN
Springs	4.30lb Yellow	2.00lb Gray
Stroke	24 mm	28 mm

Shock oil brand: Team Associated

DRIVETRAIN

Axle	+2mm CVA
Clutch pads	Eliminator
Clutch type	Direct drive
Differential fluid	5,000 cst
Differential fluid brand	Team Associated
Differential type	Gear
Drive ratio - final	6.03
Drive ratio - internal	2.60
Driveshafts	69mm
Pinion	31 teeth
Spur	72 teeth
Transmission gears	3
Transmission orientation	Laydown

TIRES

	FRONT	REAR
Tire brand / type	Proline Prizm	Sweep Microdot 2.2
Tire compound	Soft	Super soft
Tire insert	None	Blue