AE RC10 B6.3 D

Setup: Outdoor Dirt Layback · Josh Bommer (Team Associated & Reedy) · Feb 21, 2023

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EVENT

Event	Northwest Arena Championships

TRACK

Type	Outdoor hard-packed
Grip / moisture	Low / Dusty
Surface / layout	Bumpy / Open
Air temp	60°F (16°C)
Track temp	60°F (16°C)

FRONT SUSPENSION

ACKERMANN	
Inner steering stud spacers	0 mm
Steering plate	+1mm
Anti-roll bar	None
Arms	Gull-wing hard
Axle height	+0 mm
Bulkhead	Aluminum
Bumpsteer: outer steering stud spacers	1.5 mm
Camber	-1 degrees
CAMBER LINK	
Inner stud location	2 - Middle
Inner stud spacers	1.5 mm
Outer stud location	A - Inside
Caster	30 deg - Kick-up: 25 / Block insert: +5
Ride height	23 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Middle
Steering stop spacers	0 mm
Toe	+1 degrees
Tower	B6.3 Gull-wing
Track: wheel hexes	5mm Titanium
Trail: steering block	4 mm
Wheelbase: caster block spacers - F/R	0 / 1 mm

NOTES 1mm spacer between bulkhead and chassis

BODY & CHASSIS

	FRONT	REAR
Wing	Kit	JConcepts S-Type
Battery position	RCLYFE battery hold w/ bands full aft	
Body	JConcepts P2K	
Chassis	B6.3 +3mm	
Rear wing angle	6 degrees	
WEIGHT		
Electronics plate	Carbon Fiber	
Servo	Carbon Fiber	
Total	1726 g	

NOTES 104 grams under battery

REAR SUSPENSION

Anti-roll bar	None
Arms	73mm
Axle height: hub insert	0 (0/3 up)
C mount	B6.3 Brass
C mount inserts	1 up and in
Camber	-1 degrees
CAMBER LINK	
Inner stud location	3 - Outside
Inner stud spacers	2 mm
Outer stud mount spacers	1 mm
Outer stud spacers	2 mm
D mount	Wide aluminum
D mount inserts	0.5 in
Differential height	0 mm
Hubs	Factory Team (#91877/8)
Ride height	22 mm
Shock location	Front of arm
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	2 - Mid-in
Tower	Wide
Track: wheel hexes	5mm
WHEELBASE	
Arm spacers	Short (forward)
Hub spacers	Short (forward)

NOTES 4mm shaved off front of rear arms, Right rear arm had groove cut out to make clearance for the spur gear during compression.

TIRES

	FRONT	REAR
Tire brand / type	AKA Handlebar	AKA Impact
Tire compound	Super Soft	Super Soft Longwear
Tire insert	Open-cell	Open-cell
Wheel brand / type	AKA HexLite	AKA HexLite
Tire prep - F/R	N/A	

SHOCKS

	FRONT	REAR
Cup offset	5 mm	5 mm
Eyelet length	+0mm Short	+2mm Long
Limiters - internal/external	0 / 0 mm	0 / 0 mm
Oil weight	400 cst	300 cst
Pistons	2mm 2x1.6mm FT v2	2mm 2x1.7mm FT v2
Shafts	x2 3x21mm Chrome	x2 3x27.5mm Chrome
Springs	v1 3.30lb White	v1 2.00lb Green
Stroke	21 mm	28.5 mm
Shock oil brand	Ultimate Racing	

NOTES Fox shock bodies, 31mm rear bodies

DRIVETRAIN

Axle	+2mm CVA
Clutch pads	2 x 19mm ID Octalock LCF
Clutch type	Slipper
Differential type	Ball
Drive ratio - internal	2.60
Driveshafts	69mm
Pinion	23 teeth
Spur	78 teeth
Transmission gears	3
Transmission orientation	Standup

NOTES Diff set to one revolution - Slipper set to the front wheels just lifting - Gearbox waterfall brace removed

ELECTRONICS

Battery brand	**Ultimate Racing**
Battery C rating	**120**
Battery capacity	**5800 mAh**
Battery model	**UR4442**
ESC brand	**Reedy**
ESC model	**510R**
ESC settings	**Expert Mode Drag Brake 18% Brake Strength 70% Drag Freq 1.5 KHz Brake Freq 2 KHz Brake Punch Level 4 Punch Control Level 1 Drive Freq 24 KHz Dead Band 6% Current Limit 100% Turbo Timing 10% Turbo Start RPM 25000 Turbo Actuate Full Throttle Turbo Delay 0.05 sec Slew/Release Rate 3deg/0.1s Battery Cutoff None ESC Temp Cut None BEC 6v**
Motor brand	**Reedy**
Motor model	**Sonic 540 M4**
Motor timing	**20 degrees**
Motor wind	**7.5 turns**
Radio brand	**Futaba**
Radio EPA throttle	**100 %**
Receiver brand	**Futaba**
Servo brand	**Reedy**
Servo model	**RT1408**

NOTES Motor rotor #27447