AE RC8 B4

Setup: Trains and Lanes · Dylan Manchanda (Team Associated) · Jul 4, 2023

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EVENT	
Event	Stars and Stripes
Class	Pro Nitro Buggy

TRACK	
Track	Trains & Lanes
Type	Outdoor clay
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth/Bumpy / Tight/Medium
Air temp	95°F (35°C)
Track temp	90°F (32°C)

RESULTS	
Race type	Main
Finish	1st

FRONT SUSPENSION

A mount inserts	Bottom
Ackermann: inner link position	1 - Back
Anti-roll bar	2.2mm
Anti-roll bar end gap	1.0 mm
B mount inserts	Bottom
Bump steer: outer steering link shims	0 mm
Camber	-1 degrees
Camber: upper arm pillow ball shims	0.35 mm
Caster: upper arm shims - F/R	3 / 1 mm
Droop	105 mm
Lower arm stiffeners	None
Lower arms	Hard
Ride height	24 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3
Steering block arm	+2 degree
Toe	+1 degrees
Tower	Aluminum
TRACK	
Lower arm pillow ball shims	1.4 mm
Wheel hexes	+0mm
Upper arm stiffeners	Wing
UPPER ARM	
Mount inserts - front	Center
Mount inserts - rear	Center
Upper arms	Hard
Wheelbase: lower arm shims	Long (behind arm) mm

TIRES

	FRONT	REAR
Tire brand / type	JConcepts Reflex	JConcept Reflex
Tire compound	Blue	Blue
Wheel brand / type	JConcepts Mono	JConcepts Mono

NOTES Switch to JConcepts Blue Stalkers for 25 minute A-Main

REAR SUSPENSION

Anti-roll bar	2.4mm
Anti-roll bar end gap	2.0 mm
Arm stiffeners	None
Arms	Hard
Axle height: hub pin hole	Low (high pin)
C mount	HRC narrow
C mount inserts	Center
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	2 - Inside middle
Outer stud location	FT Hub: High middle
D mount	HRC narrow
D mount inserts	Down
Droop	126 mm
Hubs	V2
Ride height	24 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3
Tower	Aluminum
Track: wheel hexes	+2mm
WHEELBASE	
Arm spacers	Short (behind arm)
Hub spacers - F/R	0 / 5 mm

NOTES RWB chassis

ENGINE

Engine brand	O.S Speed
Engine model	B2104
Fuel	Nitro Pro JTP 28% nitro 9% oil
Glow plug	O.S Gold P3
Pipe / header	O.S 75/2155

SHOCKS

	FRONT	REAR
Bladders	Emulsion	Emulsion
Oil weight	50 wt	42
Pistons	4x1.4+1x1.5 Flat	4x1.5+1x1.6 Flat
Rebound	0 %	0 %
Shock length	105 mm	126 mm
Springs	5.3lb Gray	3.9lb Black
Shock oil brand	Team Associated	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	15,000 cst	6,000 cst
Diff gears	High traction	42/12
Center diff fluid	7,000 cst	
Center diff gears	High traction	

DRIVETRAIN

Brake bias - F/R	50/50
Clutch shoes & springs	2 composite, 0.9mm black springs 2 alum, 0.95mm green springs
Drive ratio - internal	3.5
Driveshafts - front	Universal
Driveshafts - rear	Universal
Pinion	13 teeth
Spur	46 teeth

BODY & CHASSIS

Body	B4 Mu
Chassis	Rear Weight Bias
Radio tray layout	1 - Stiff
Rear chassis brace options	Insert
Rear chassis brace screws	A - Front
Rear wing	JConcepts Razor
Rear wing angle shim	0 degrees
Rear wing height	Low
Rear wing mount	Kit
Rear wing trim	Holes
Screws & turnbuckles	Titanium turnbuckles