AE RC10 B7/D

Setup: HRCR 17.5 · Josh Bommer (Team Associated & Reedy) · Feb 10, 2024

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TRACK

Track	HRCR
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Medium
Air temp	65°F (18°C)
Track temp	65°F (18°C)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1 mm
Steering plate	+1mm
Anti-roll bar	1.0 mm
Arms	Carbon
Axle height: steering block shims	+3 mm
Bellcrank link length	2 mm
Bellcrank orientation	Up
Bulkhead	0 deg aluminum
Bulkhead shims	0 mm
Bump steer: outer steering link shims	0 mm
Camber	-1.5 degrees
CAMBER LINK	
Inner location	3 - Out
Inner shims	1 mm
Outer mount	+0 mm
Outer shims	2 mm
Caster: caster block inserts	+5 degrees
Kick-up	0 degrees
Ride height	12.5 mm
Servo horn shims	1 mm
SHOCKS	
Arm mounts	C - Out
Tower mounts	2 - Mid
Steering block KPI	3 degrees
Steering blocks	Carbon
Steering stop shims	0 mm
Toe	0 degrees
Tower	Standard
Track: wheel hexes	7 mm
Wheelbase: caster block shims	Long

NOTES FT Hex Adapter Front Axles (#71181), FT Aluminum Steering Bellcranks (#91983)

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	Carbon
Axle height: hub inserts	+1 mm
C mount	Standard
C mount inserts	1 down
Camber	-1.5 degrees
CAMBER LINK	
Inner location	1 - In
Inner shims	4 mm
Outer mount shims	0 mm
Outer shims	0 mm
D mount	Standard
D mount inserts	1 down and in
Differential height	1 mm
Hubs	Carbon, HRC
Ride height	13 mm
SHOCKS	
Arm mounts	C - Out
Tower mounts	3 - Mid-out
Tower	Standard
Track: wheel hexes	5 mm
WHEELBASE	
Arm shims	Short
Hub shims	Mid

BODY & CHASSIS

	FRONT	REAR
Wing	B7	B7 7"

Battery mount offset	Standard
Battery position	4
Body	B7
Chassis	B7 +0mm
FLEX	
Gearbox	Carbon
Side rails	Carbon
Top plate	Carbon
Rear wing angle	6 degrees
Screws & turnbuckles	FT Titanium Turnbuckles and ballstuds
Weight: total	1484 g
Weights	10g weight in front of servo
Weights: electronics plate	33g Steel

NOTES 8mm holes on the rear side dam

SHOCKS

	FRONT	REAR
Cup offset	5 mm	0 mm
Eyelet length	+2 mm	+4 mm
Limiters - ext	0 mm	0 mm
Oil weight	40 wt	37.5 wt
Pistons	2mm 2x1.6mm holes	2mm 2x1.9mm holes (drilled 2x1.5)
Springs	4.3lb Orange	12mm V2 Blue
Stroke	22 mm	27.5 mm

Shock bodies	Kashima
Shock oil brand	Team Associated
Shock shafts	Chrome

NOTES Machined Internals

DRIVETRAIN

Clutch pads	N/A
Clutch type	Direct drive
Differential fluid	100,000 cst
Differential fluid brand	Team Associated
Differential type	Gear - metal
Drive ratio - internal	2.60
Driveshafts	69mm CVA
Pinion	33 teeth
Spur	72 teeth

NOTES Two planet gears

TIRES

	FRONT	REAR
Tire brand / type	JConcepts Fuzz Bites	JConcepts Nessi
Tire compound	Pink	Pink
Tire insert	White scalloped	Standard
Wheel brand / type	Team Associated Slim	Team Associated

NOTES Front sidewalls glued

ELECTRONICS

Battery brand	**Reedy**
Battery C rating	**90 C**
Battery capacity	**4800 mAh**
Battery model	**SG5 Zappers**
ESC brand	**Reedy**
ESC model	**510R**
Motor brand	**Reedy**
Motor model	**SP5**
Motor timing	**44 degrees**
Motor wind	**17.5 turns**
Radio brand	**Futaba**
Radio model	**7PX**
Servo brand	**Reedy**
Servo model	**RT1408R**