Custom Works Rocket 4

Setup: Not terrible but not great · Aaron Mull (Team Power Products) · Mar 22, 2026

so dialed
Open/save in RC Setup App →

Scan to open in the app

EVENT	
Event	Points Race
Class	MidWest Mod

TRACK	
Track	The Krater RC Dirt Oval
Type	Outdoor hard-packed
Grip / moisture	Medium / Dusty
Surface / layout	Smooth/Medium / Medium
Air temp	80°F (27°C)
Track temp	70°F (21°C)

RESULTS	
Race type	Main
Finish	3rd
Best lap	4.719 s
Average lap	5.5 s

FRONT SUSPENSION

Ackermann: outer steering link hole	**Middle**
Camber	**L -1 · R 0**
CAMBER LINK	
Inner link location	**L Middle colum mid-bottom row · R Middle Colum mid-top row**
Outer link location	**L Kingpin · R Kinpin**
Caster	**L 0 · R +5 (more angled upright)**
Kick-up	**35 degrees**
SHOCKS	
Arm mounting hole	**L Out · R Out (3rd from inside)**
Tower mounting hole	**Inside bottom**
Toe	**-1 degrees**
Trail: steering block	**Std / Std**
Wheelbase: hub carrier shims	**L Full short · R full short**

NOTES Would like to try swapping front casters to lean LF back and keep RF even with kickup

REAR SUSPENSION

Anti-squat	**3**
Axle height: hub pin location	**Lower hole**
Camber	**L -1 · R +1**
CAMBER LINK	
Inner link location	**Outside Mid-top**
Outer link location	**L Out · R In**
Outer link shims	**1**
Max chassis height	**- / - mm**
SHOCKS	
Arm mounting hole	**In**
Tower mounting hole	**Outter Colum/Mid-Bottom / Outter Colum/Mid-Bottom**
Toe	**L +6 · R +2**
Track: wheel hexes	**7 / 7**
WHEELBASE	
Arm shims	**2**
Hub shims	**4**
Suspension mount	**Long**

NOTES Would like to try without anti-squat shims

SHOCKS

	FRONT	REAR
Bodies	**L**	**L**
Cups	**Std**	**Std**
Oil weight	**L 45 · R 45 (might be 40)**	**L 45 · R 45 (might be 40)**
Pistons	**M**	**M**
Pre-load	**13mm**	**13mm / 12mm**
Shaft length	**L**	**L**
Shock length	**L 85mm · R 84.5mm (top to bottom)**	**L 92mm · R 92mm (top to bottom)**
Springs	**L #7 · R #8**	**L #7 · R #8**
Shock oil brand	**Team Associated**	

DRIVETRAIN

Differential fluid	**10,000 cst**
Differential fluid brand	**Team Associated**
Differential type	**Gear**
Drive ratio - final	**10.57**
Drive ratio - internal	**2.61**
Drive type	**Slipper**
Pinion	**20 teeth**
Spur	**81 teeth**

BODY & CHASSIS

	FRONT	REAR
Wing	**Large**	**–**
Battery position	**Center-middle**	
Body	**CW Mountaineer**	
Body mounting	**Rear window bottom to body post center: 1.25" Rear deck height from bottom of chassis: 4"**	
Nose	**Scoop**	
Rear wing length	**2.5"**	

TIRES

	FRONT	REAR
Tire brand / type	**RawSpeed Radars**	**RawSpeed RipTide**
Tire compound	**Gumball Pink**	**Gumball Pink**
Tire insert	**Stock**	**Stock**
Wheel brand / type	**Raw Speed**	**RawSpeed**
Tire prep	**Cleaned with 99 Tire Cleaner and used Diamond Clear additive**	

ELECTRONICS

Battery brand	**NitroPro Racing**
Battery C rating	**140 C**
Battery capacity	**6300 mAh**
Battery model	**Non-HV**
ESC brand	**Hobbywing**
ESC model	**XR10 Pro**
ESC settings	**Cutoff:3.1v Throttle Rate:20 PWM:16k Brake Rate:10 Brake Freq:2k Boost:10 Boost Start RPM:28,000 Boost End RPM:40,000 Turbo Timing:12 Turbo Delay:Intant Turbo Increase Rate:18/.1 Turbo Decrease Rate:18/.1**
Motor brand	**Team Powers**
Motor Kv constant	**6700(?) Kv**
Motor model	**R6**
Motor timing	**30 degrees**
Motor wind	**6.5 turns**
Radio brand	**Flysky**
Radio EPA steering	**78 %**
Radio EPA throttle	**100 %**
Radio model	**NB4**
Receiver brand	**Flysky**
Receiver model	**FGr4P**
Servo brand	**NitroPro**
Servo model	**KS1-PRO**
Transponder ID	**4155201**

NOTES 8.40 max charge

NOTES Copied over from sprint. Slightly adjusted RPM zone for 6.5 motor

ESC SETTINGS

BOOST

Activation	**RPM**
RPM End	**40k rpm**
RPM Start	**28k rpm**
Timing	**10 degrees**

BRAKE

Curve	**Linear**
Drag	**0 %**
Frequency	**2 kHz**
Initial strength	**100 %**
Strength	**10**

THROTTLE

Curve	**Linear**
Frequency	**16 kHz**
Initial strength	**100 %**
Neutral range	**6 %**
Strength	**20**

TURBO

Activation method	**Instant**
Delay	**Instant seconds**
Ramp	**18/.1**
Timing	**12 degrees**