

OnPoint Racing OP12C

Driver: Robert Krens

Location: RC-Paradise - Uithoorn - Netherlands

Event: Local Race - Round #1

Date: 28-10-2013

Fast Lap: 8.455

53R in 8:05

Track Conditions

Composition: Asphalt Carpet Other: _____ Surface: Smooth Bumpy _____
Traction: Low High Layout: Open Both Tight Indoor Outdoor

Front End

Associated Serpent
Arms mount 0° 10° 0° 3° 6° 10°
Susp. arm insert Narrow / Mid / Wide
Caster spacer 1.80° 3.25° 6.15° Front / Med / Back
Roll centre: 3mm Inside Outside
Shims on top king pin: 1
Front spring: 0.18 (0.20 gives less steering, but a 'saver' car)
Front caster: Caster on caster gauge: 5deg
Front camber: °1,5
Toe angle: °-0,5
Bump steer shim: 2mm
Droop: 0.2mm
King pin lube: none
Front car width: 165mm
Ride height: 3.2mm

Notes:

King Pin angle 3deg (steering block insert). Next to try: front 0.20 springs (don't collapse that fast) but equal amount of steering, by applying more sauce. Try to adjust the Caster angle. Different King Pin angle (2deg or 4 deg).

Front tires

Brand & compound: Mobgums Magenta
Diameter: 41
Tire treatment: Speedtech RC
Time & surface: 3 min - 20%

Rear End

Shock brand: HotBodies Piston: STD
Shock oil: 30WT
Centre spring: Gold Preload: 5mm
Shock position – Front: Low High
Shock position – Rear: 2mm
Damper tube lube: 15.000
Side spring: Black Preload: none
Rear car width: 172mm
Ride height: 3.4mm
Roll centre: 0.5mm shims
Pod droop: 0.8
Battery position: Left Right
Plug position: Front Back

Notes:

Next to try: different amount of roll-center. Different damper tube lube (20.000)

Rear tires

Brand & compound: Mobgum Magenta
Diameter: 42
Tire treatment: Speedtech RC
Time & surface: 100% - 10 min

Body & Electronics

Body: Black Art BA005
Body position: 12mm out front
Wing / Spoiler: Yes No
Receiver: Sanwa 415R
Servo: Sanwa 141HR

Batteries: Team Orion 90C 6400 Mah (ver. 2)
Motor: Team Orion 13,5T VST1 Rotor: STD
Pinion: 43 Spur: 75 Rollout: 75.650
ESC: Team Orion R10 Pro
ESC Settings: Blinky

Comments

Arn0 at Petitr.com

*Car is pretty fast with a lot cornerspeed.
Sometimes it want's to spin out at the end of the straight (tape on carpet).
It feels a bit edgy at the start en get's understeered at the end. This has to do something with the time and amount of tiretreatment.
When running 0.18 springs not more then 15% sauce. When running 0.20 springs 50% sauce
Pink rear makes the car more stable, but get understeered a lot at the end of the run.
5 deg kingpin blocks give a lot rotation and corner exit steering. It's a bit to much for the Magenta rear tire, but needs some fine tuning.
Car is pretty fast and consistent for the first race.*