Mugen MTC2

Setup: ETS Apeldoorn Mod TC, Sept 19 · Ronald Volker (Mugen Seiki Europe) · Jul 24, 2022

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EVENT

Event	ETS
Class	Modified Touring Car

TRACK

Track	AMCA Apeldoorn, Netherlands
Type	Outdoor asphalt
Grip / moisture	Medium / Dry
Surface / layout	Medium / Open
Air temp	17.5°C (64°F)

RESULTS

Race type	Main
Race number	A
Finish	2nd

FRONT SUSPENSION

Anti-roll bar	1.2mm (#A2153/12)
Axle height: upright spacers - up/down	2 / 1 mm
Camber	-2 degrees
Downstop	5.8 mm
Lower arm FF spacers	1.0
Lower arm FR spacers	1.5
Lower arms	Kit
Ride height	5.8 mm
Servo horn length	17 mm
Servo horn shims	4 mm
Shock tower	Active

SHOCKS

Arm mount location	B - Outside
Upper mount spacers	3.5

Steering angle - in/out	- / 17. 5 degrees
Steering arms	Kit
Steering link: outer stud spacers	3.5 mm
Steering: Ackermann shims	2.0 mm
Toe	-1.25 degrees
Upper arm FF spacers	1.0
Upper arm FR spacers	1.0
Upper arm position (caster)	4 degrees
Upper arms	Kit (#A2148A/B)
Wheel hex	+4mm

NOTES Steering limiter: 5.5mm
Body protector used
Servo horn: B0553

ELECTRONICS

Battery brand	LRP
Battery capacity	5700 mAh
ESC brand	LRP
Motor brand	LRP
Motor wind	5 turns
Receiver brand	Sanwa/Airtronics
Receiver model	493
Steering servo brand	Highest

REAR SUSPENSION

Anti-roll bar	1.1mm (#A2153/11)
Axle height: upright spacers - up/down	2 / 1.5 mm
Camber	-2 degrees
Caster: upper arm position	-4 degrees
Downstop	4 mm
Lower arm RF spacers	1.5
Lower arm RR spacers	1.5
Lower arms	Kit
Ride height	5.6 mm
Shock tower	Active

SHOCKS

Arm mount location	A - Inside
Upper mount spacers	3.5

Toe	2.25 degrees

TOE LINK

Outer stud location	B - Back
Outer stud spacers	3.5 mm

Track: wheel hexes	+4mm
Upper arm RF spacers	1.0
Upper arm RR spacers	1.0
Upper arms	Kit (#A2148A/B)

BODY & CHASSIS

Battery position	Rear
Body	Speciale

BODY HEIGHT

Front	48.6 mm
Rear	45+2 mm

Body to chassis distance	53 mm
Chassis	Graphite
Motor mount screws	1 - Front, 2
Rear wing	Speciale
Rear wing position	+0mm
Upper deck	2-piece
Upper deck screws	2, 3
Weight distribution hole	4-5
Weight: total	1320 g
Weights	Mid-Left: 10g
Weights: optional	A2425, A2705, A2706

SHOCKS

	FRONT	REAR
Oil weight	35 wt	35 wt
Pistons	4 x 1.3mm	4 x 1.3mm
Springs	6.75T progressive	6.25T medium
Stroke	9.5 mm	10 mm

Shock oil brand	AXON

DIFFERENTIALS

	FRONT	REAR
Diff fluid	–	7,000 cst

Front diff type	Solid axle
Rear diff oil mass	1.6 g

DRIVETRAIN

Drive ratio - final	7.33
Drive ratio - internal	1.9
Driveshafts - front	Universal
Driveshafts - rear	CV
Gear pitch	64
Pinion	28 teeth
Spur	108 teeth

NOTES Belt tension F/R: 3

TIRES

	FRONT	REAR
Tire additive	MR33 v3	MR33 v3
Tire brand / type	ETS 36	ETS 36
Tire prep	10 min @ 65C	10 min @ 65C