Awesomatix A800R

Setup: ETS 2 Aigen · Peter Knudsen · Jul 29, 2024

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EVENT	
Event	ETS 2

TRACK	
Track	Aigen
Type	Outdoor asphalt
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Open
Air temp	30°C (86°F)
Track temp	50°C (122°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0 mm
Outer steering link position	Back
Steering arms	AM14LS
Anti-roll bar	1.1 mm
Anti-roll bar stiffener	None
Axle height: steering block shims	0 mm
Bump steer: outer steering link shims	2.75 mm
Camber	-1.5 degrees
Caster	4 degrees
Differential height	High
Downstop	5.4 mm
Lower arm extension	0 mm
Lower arm F mount shims	1.5 mm
Lower arm R mount shims	1.5 mm
Ride height	5 mm
Steering blocks	Standard
Steering lock in/out	24 degrees
Toe	-1 degrees
TRACK	
Wheel hexes	Standard
Wheel shims	0 mm
Upper arm F mount shims	1 mm
Upper arm mount	Standard
Upper arm mount position	Inside
Upper arm outer shims	2.25 mm
Upper arm R mount shims	1 mm

REAR SUSPENSION

Anti-roll bar	1.1 mm
Anti-roll bar stiffener	None
Axle height: hub shims	0 mm
Camber	-2 degrees
Caster	-2 degrees
Differential height	High
Downstop	4.4 mm
Lower arm extension	0 mm
Lower arm F mount shims	3 mm
Lower arm R mount shims	3 mm
Ride height	5.2 mm
Steering arms	A800R
Steering blocks	Standard
Toe	2.5 degrees
Toe, active: outer toe link shims	2.75 mm
TRACK	
Wheel hexes	Standard
Wheel shims	0 mm
Upper arm F mount shims	2 mm
Upper arm mount	Standard
Upper arm mount position	Inside
Upper arm outer shims	2.25 mm
Upper arm R mount shims	2 mm

BODY & CHASSIS

Battery holder - front	52g
Battery holder - rear	Servo
Body	HPI Porsche 996 Turbo
Body stop height	12 mm
FLEX	
Bumper top plate cut	Yes
Chassis	Carbon
Motor mount screws	3
Upper deck	1-piece
Upper deck cuts	5
Upper deck screws	D
Motor shims	1
Weight balance - F/R	49 / 51 %
Weight: total	1325 g
Weights: motor mount	7g, 8g, 10g

NOTES FD Oil: 5000

SHOCKS

	FRONT	REAR
2nd spring	SPR-P1	SPR-P2
Damper brace	No	Yes
Dampers	D3	D3
Damping level	60 %	60 %
Damping rate	Progressive	Linear
Oil weight	250 cst	275
Rotor	2-hole	2-hole
Spring progression	25 %	0 %
Spring rate setting	2.4 mm	0.4 mm
Spring torque	65.5	107.3
Springs	Hard	Hard
SRS/RHS arrangement	II	I

DRIVETRAIN

Diff fluid brand	Hudy
DIFFS	
Front type	Spool
Rear fluid	7,000 cst
Rear shims	SS mm
Drive ratio - final	5.0
Drive ratio - internal	1.9
Driveshafts - front	Standard
Driveshafts - rear	Standard
Gear pitch	64
Pinion	45 teeth
Spur	90 teeth

TIRES

	FRONT	REAR
Tire additive area	In, Mid-in, Mid-out, Out	In, Mid-in, Mid-out, Out
Tire additive time	15 min	15 min
Tire brand / type	Rush	Rush
Tire additive	Mighty Gripper Red	

ELECTRONICS

Battery brand	**Ruddog**
Battery C rating	**120 C**
Battery capacity	**9000 mAh**
ESC brand	**ORCA**
ESC model	**Stock spec**
Motor brand	**Hobbywing**
Motor model	**Justock**
Motor timing	**Fixed degrees**
Motor wind	**17.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA brake	**80 %**
Radio EPA throttle	**100 %**
Radio model	**M17**
Receiver brand	**Sanwa/Airtronics**
Steering servo brand	**MKS Servos**

NOTES 12A