Xpress ARROW AT1

Setup: MiCC - Modified 05/02/23 · Mark Raddenbury (Speedrc.co.uk) · Feb 6, 2023

so dialed
Open/save in RC Setup App →

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EVENT

Event	Club
Class	Modified

TRACK

Track	MICC Rd5
Type	Indoor carpet
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth/Medium / Tight/Open
Air temp	15°C (59°F)
Track temp	15°C (59°F)

RESULTS

Race type	Main
Race number	3
Finish	5th
Best lap	16.019 s
Average lap	17.226 s

FRONT SUSPENSION

ACKERMANN	
Outer steering link location	1 - Outside
Servo saver inserts	8 mm
Steering plate shims	0 mm
Anti-roll bar	1.3 mm
Arms	Hard
Bump steer: outer steering link shims	2 mm
Camber	-2 degrees
Camber link plate	42 mm
CAMBER LINK	
Inner link shims	3 mm
Inner mount shims	0 mm
Outer link shims	1 mm
Downstop	5.4mm
FF mount	Aluminum
FF mount inserts	0 center
FF mount shims	0 mm
FR mount	Split aluminum
FR mount inserts	0 center
FR mount shims	0 mm
Hub carriers	Hard
Ride height	5 mm
Servo saver stud shims	1.5 mm
SHOCKS	
Arm mount shims	0 mm
Tower mount shims	1 mm
Steering blocks	Hard
Toe	-1 degrees
Track: wheel hexes	5 mm
Wheelbase: arm spacers - F/R	1 / 1 mm

REAR SUSPENSION

Anti-roll bar	1.2 mm
Arms	Hard
Camber	-1.5 degrees
Camber link plate	46 mm
CAMBER LINK	
Inner link shims	3 mm
Inner mount shims	0 mm
Outer link location	Outside
Outer link shims	0 mm
Downstop	4.6mm
Hubs	Hard
RF mount	Aluminum
RF mount inserts	0.5 down
RF mount shims	0 mm
Ride height	5 mm
RR mount	Split aluminum
RR mount inserts	0.5 down
RR mount shims	0 mm
SHOCKS	
Arm mount shims	1 mm
Tower mount shims	1 mm
Toe	3
Track: wheel hexes	5 mm
Wheelbase: arm spacers - F/R	5/2 mm

BODY & CHASSIS

Battery position	Standard
Body	Wolverine
Body mounting	2mm forward
FLEX	
Chassis	2.25mm Graphite
Upper deck	2mm Graphite
Upper deck stiffener	None
Rear wing	Kit
Weight balance - F/R	51 / 49
Weight: total	1352 g
Weights	5g in nose

NOTES Rear mounting arms lowered to fit straight onto rear bulkhead carbon plate

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Hole in caps	Yes	Yes
Oil weight	600 cst	600 cst
Pistons	2-hole	2-hole
Rebound	0 %	0 %
Springs	2.1	1.9
Stroke	10.5 mm	10.5 mm
Shock oil brand	Rcraceprep	

DIFFERENTIALS

	FRONT	REAR
Diff type	Spool	Gear
Diff fluid	–	12,000 cst
Diff fluid mass	–	1.1 g
Diff fluid brand	Rcraceprep	

DRIVETRAIN

Drive ratio - final	8.28
Drive ratio - internal	2.353
Driveshafts - front	Universal Double Joint
Driveshafts - rear	41mm Universal
Front drive type	Spool
Gear pitch	48
Pinion	22 teeth
Spur	72 teeth

NOTES Motor spaced 2mm forward

ELECTRONICS

ESC brand	Hobbywing
Motor brand	Surpass
Motor wind	5 turns
Radio brand	Futaba
Steering servo brand	Ludicrous

ESC SETTINGS

BOOST

Activation	**0**
Ramp	**0**
RPM End	**24500 rpm**
RPM Start	**16000 rpm**
Timing	**0 degrees**

BRAKE

Drag	**10 %**
Frequency	**2k kHz**
Initial strength	**Drag %**
Strength	**72.5**

THROTTLE

Frequency	**24 kHz**
Initial strength	**2 %**
Neutral range	**8 %**

TURBO

Activation method	**Auto**
Delay	**0.1 seconds**
Ramp	**18**
Timing	**12 degrees**