ARC R12.1

Setup: Intrepid · Daniel Ornelas · Jun 25, 2022

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EVENT	
Event	Championship Final
Class	1/10th electric sedan

TRACK	
Track	Intrepid RC Track
Type	Outdoor asphalt
Grip / moisture	Medium / Dry
Surface / layout	Bumpy / Open
Air temp	30°C (86°F)
Track temp	30°C (86°F)

RESULTS	
Race type	Main

FRONT SUSPENSION

Ackermann: outer steering link location	2 - Back
Anti-roll bar	1.3 mm
Arms	Standard
Bumpsteer: outer steering link spacers	0 mm
C-hubs	Standard
Camber	-1 degrees
CAMBER LINK	
Inner mount spacers	2.0
Inner rear mount location	Outside
Inner spacers	0 mm
Differential height	Low
Downstop	5
FF mount	Kit
FF mount inserts	0 center
FF mount shims	0.5 mm
FR mount	Kit
FR mount inserts	0 center
FR mount shims	0.5 mm
Ride height	5
SHOCKS	
Arm mount spacers	0 mm
Arm mounting hole	A - Top
Tower mount spacers	2.0 mm
Tower mounting hole	2 - Mid-in
Steering blocks	Hard
Toe	0 degrees
Tower	Standard
TRACK	
Wheel hexes	+0 mm
Wheel shims	0 mm
Wheelbase: arm spacers - F/R	1.3 / 1.0 mm

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	Long / Standard
Camber	-2 degrees
CAMBER LINK	
Inner mount spacers	1.0
Inner stud spacers	0.5 mm
Differential height	Low
Downstop	4
Hubs	Hard
RF mount	Kit
RF mount inserts	1.0 in
RF mount shims	0.5 mm
Ride height	5.5
RR mount	Kit
RR mount inserts	2.0 out
RR mount shims	0.5 mm
SHOCKS	
Arm mount spacers	0 mm
Arm mounting hole	A - Top
Tower mount spacers	2.0 mm
Tower mounting hole	2 - Mid-in
Toe - active	3 - 3.5 degrees
TOE LINK	
Inner spacers	0 mm
Outer spacers	2 mm
Outer stud position	Rear
Tower	Standard
TRACK	
Wheel hexes	+0
Wheel shims	0 mm
Wheelbase: arm spacers - F/R	1.3 / 1.0 mm

TIRES

	FRONT	REAR
Tire additive	TDK	TDK
Tire additive area	Mid-in	In, Mid-in, Mid-out, Out
Tire brand / type	Matrix	Matrix
Tire compound	36	36

SHOCKS

	FRONT	REAR
Cap hole	Closed	Closed
Oil weight	500 cst	500 cst
Pistons	Kit	Kit
Rebound	0 %	0 %
Springs	20mm 2.7C Silver	20mm 2.7C Silver

DIFFERENTIALS

	FRONT	REAR
Diff type	4-gear	4-gear
Diff fluid	–	1,000 cst

DRIVETRAIN

Belt - front	Standard
Belt - rear	Standard
Drive ratio - internal	1.9
Gear pitch	64
Spur	92 teeth

BODY & CHASSIS

Body	Roadster
Body posts - rear	Standard
Body to bumper distance	10 mm
FLEX	
Chassis	Carbon 2.1mm
Front top deck	Narrow
Front top deck screws	1 - Front, 3
Motor mount screws	1 - Front, 2, 3, 4, 5
Rear top deck	Narrow
Rear top deck screws	1 - Front, 3
Rear wing	Standard

ELECTRONICS

Battery brand	Sunpadow
Battery C rating	100C
Battery capacity	8400 mAh
ESC brand	Hobbywing
ESC model	MAX10
Motor brand	Hobbywing
Motor Kv constant	3300 Kv
Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver brand	Sanwa/Airtronics
Steering servo brand	SRT