ARC R12

Setup: 0321 rockwave · K S · Mar 23, 2021

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EVENT	
Event	spring race

TRACK	
Track	Rockwave
Type	Indoor carpet
Grip / moisture	Medium / Wet
Surface / layout	Smooth / Tight

FRONT SUSPENSION

Anti-roll bar	1.3 mm
Arms	Long / Standard
Axle height: steering block shims	Top 0.5mm / Bottom 0.5mm
C-hubs	Standard
Camber	-2 degrees
CAMBER LINK	
Inner mount spacers	2.0
Inner stud spacers	0.5 mm
Outer stud spacers	0.5 mm
Differential height	Low
Downstop	2
FF mount	Kit
FF mount inserts	0 center
FR mount	separate brass
FR mount inserts	0 center
Ride height	5.4
ROLL CENTER	
FF mount shims	0 mm
FR mount shims	0 mm
SHOCKS	
Arm mount spacers	0 mm
Arm mounting hole	B - Bottom
Tower mount spacers	2.0 mm
Tower mounting hole	1 - Inside
Steering blocks	Hard
STEERING LINK	
Inner stud spacers	0.5 mm
Outer stud location	2 - Back
Outer stud spacers	0 mm
Toe	-1 degrees
Tower	-3mm
TRACK	
Wheel hexes	4.5 mm
Wheel shims	0 mm
Wheelbase: arm spacers - F/R	1.3 / 1.0 mm

NOTES yokomo brass hub

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	Long / Standard
Camber	-2 degrees
CAMBER LINK	
Inner mount spacers	2.0
Inner stud spacers	0 mm
Outer stud spacers	3.0 mm
Differential height	Low
Downstop	5
Hubs	Yokomo BD
RF mount inserts	0 center
RF mounts	Kit
Ride height	5.2
ROLL CENTER	
RF mount shims	0.8 mm
RR mount shims	0.8 mm
RR mount	Kit
RR mount inserts	0 center
SHOCKS	
Arm mount spacers	0 mm
Arm mounting hole	B - Bottom
Tower mount spacers	2.0 mm
Tower mounting hole	3 - Mid-out
Tower	-3mm
TRACK	
Wheel hexes	5.5
Wheel shims	0 mm
Wheelbase: arm spacers - F/R	1.3 / 1.0 mm

TIRES

	FRONT	REAR
Tire brand / type	sweep	sweep
Tire compound	exx-28	exx-28
Tire insert	sweep EXP-LS blue	sweep EXP-LS blue
Wheel brand / type	sweep	–
Tire additive timing - F/R	5min	

SHOCKS

	FRONT	REAR
Oil weight	27.5 wt	27.5 wt
Pistons	Kit	Kit
Rebound	50 %	50 %
Shafts	Kit	Kit
Shock cap hole	Open	Open
Springs	axon 2.55-2.85	0.28g Green
Shock oil brand	AXON	

NOTES axon double o-rings

DIFFERENTIALS

	FRONT	REAR
Diff type	Spool	4-gear
Diff fluid	–	7,500 cst
Diff fluid brand	axon	

DRIVETRAIN

Drive ratio - internal	1.9
Driveshafts - front	40mm DJ CVD
Driveshafts - rear	42.5mm CVD
Gear pitch	64
Pinion	33 teeth
Spur	101 teeth

BODY & CHASSIS

Body	zoo Valkyrie 0.5
Body posts - rear	Standard
Body to bumper distance	10 mm
FLEX	
Chassis	Carbon 2.25mm
Flex adjustment plate	Plate with all screws
Front top deck	Kit
Front top deck screws	axon alu
Motor mount screws	All 5 - stiffest
Rear top deck	Kit
Rear top deck screws	axon alu
Rear wing	Kit
Weight balance (F/R)	41 / 59
Weight: total	1310 g

ELECTRONICS

Battery brand	**Sunpadow**
Battery capacity	**6000 mAh**
Battery model	**Platin**
ESC brand	**Hobbywing**
ESC model	**XR10PRO**
Motor brand	**G-style**
Motor Kv constant	**2150 Kv**
Motor model	**21.5 JMRCA**
Motor wind	**21.5 turns**
Radio brand	**KO Propo**
Radio model	**EX-RR**
Receiver brand	**KO Propo**
Receiver model	**415FHD**
Steering servo brand	**KO**
Steering servo model	**RSXONE10**