XRAY X4 '24

Setup: MRC Cup Round 3 2023-2024 · Roel Jongenelis (XRAY/Rcconect/LRP/PowerHD) · Dec 20, 2023

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EVENT	
Event	MRC CUP Round 3
Class	Stock 17.5 efra

TRACK	
Track	MRC VIANEN
Type	Indoor carpet
Grip / moisture	High / Dusty/Dry
Surface / layout	Bumpy / Tight
Air temp	20°C (68°F)
Track temp	17.5°C (64°F)

RESULTS	
Race type	Main
Finish	2nd
Best lap	9.482 s
Average lap	9.6 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1.0 mm
Steering arms	Standard
Steering plate	8mm
Anti-roll bar	1.2 mm
Arms - lower	Hard (#302182/3-H)
Arms - upper	Med (#302134/44-M)
Axle height: hub shims	0.5 mm
Bump steer: outer steering link shims	3 mm
Camber	-1.8 degrees
CAMBER LINK	
Inner shims	1.5 mm
Outer shims	2 mm
Caster bushings	3 degrees - 1 dot
Differential height	Low
Downstop	6.6 mm
FF mount shims	2 mm
FR mount shims	2 mm
Hubs	Graphite
Ride height	5.2 mm
Servo arm type	Servo horn
Servo saver shims	6.5 mm
Servo saver stud radius	20 mm
Shock tower mount screws	Both
Shocks: tower shims	4 mm
Steering lock	25 deg - 7.75mm shim
Toe out	1 degrees
TRACK	
Wheel hexes	-0.5mm
Wheel shims	0 mm

REAR SUSPENSION

Anti-roll bar	1.2 mm
Arms - lower	Hard (#303182/3-H)
Arms - upper	Med (#302134/44-M)
Axle height: hub shims	1 mm
Camber	-2 degrees
CAMBER LINK	
Inner stud shims	0.5 mm
Outer stud shims	2 mm
Caster bushings	1.5 degrees - 2 dot forward
Differential height	Low
Downstop	4.6 mm
Hubs	Graphite
RF mount shims	2.5 mm
Ride height	5.4 mm
RR mount shims	2.5 mm
Shock tower mount screws	Both
SHOCKS	
Holder type	Fixed
Tower shims	4 mm
Toe gain: ARS link outer shims	1.5 mm
Toe in	2 degrees
TRACK	
Wheel hexes	-0.5mm
Wheel shims	0 mm

TIRES

	FRONT	REAR
Tire additive	HUDY RED	HUDY RED
Tire additive area	In, Mid-in, Mid-out, Out	In, Mid-in, Mid-out, Out
Tire additive timing	7 min	7 min
Tire additive wipe-off time	Before run min	Before run min
Tire brand / type	HUDY	HUDY
Tire glue diameter	Standard mm	Standard mm
Tire warmer temp	0 degrees	0 degrees
Tire warmer time	0 min	10 min
Wheel brand / type	Standard	Standard

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Oil weight	350 cst	350 cst
Pistons	2x0.8	2x0.8
Rebound	0 %	0 %
Springs	2.5-2.8C	2.6C
Stroke	8 mm	8.5 mm
Shock oil brand	Hudy	

DRIVETRAIN

Belts	Low-friction
Diff fluid brand	HUDY
DIFFS	
Front fluid	Solid axle
Front type	Solid axle
Rear fluid	7,000 cst
Drive ratio - final	4.6
Drive ratio - internal	1.9
Driveshafts - front	58mm BB ECS
Driveshafts - rear	54mm BB CVD
Gear pitch	64
Pinion	42 teeth
Spur	102 teeth

BODY & CHASSIS

Body	Twister special 0.5
BODY MOUNTS	
Front height	7th hole + 2mm
Front post-to-window distance	61 mm
Rear bumper height	65. 5 mm
Rear type	Horizontal
Body stop height	18 mm
Bumper	Light and strong
FLEX	
Chassis	Aluminum
Chassis T-brace	No
Motor mount screws	3, 4, 5
Servo mount	Forward
Steering bridge brace	No
Top deck	Front '23 with bridge, Rear '23
Top deck screws	2, 3
Motor shims	2 mm
Rear wing	Standard
Rear wing side dam	Yes
Screws & turnbuckles	All titanium
Weight balance - F/R	51 / 49
Weight: total	1314 g

ELECTRONICS

Battery brand	**LRP**
Battery capacity	**6100 mAh**
Battery model	**Graphene 4**
Electronics layout	**L3 to L7**
ESC brand	**Hobbywing**
ESC model	**XERUN XR10 PRO G2S ELITE**
Motor brand	**LRP**
Motor model	**X22**
Motor timing	**56 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**
Receiver model	**RX-492**
Steering servo brand	**Power HD**
Steering servo model	**S15-X**

NOTES Cycle