

# SET-UP SHEET

X4'23 SET-UP SHEET VER.1 ©XRAY

# XRAY X4'23

RACE	ETS Rd. 6		
TRACK	Daun		
NAME	David Ehrbar	DATE	29.01.2023

QUAL POSITION	FINAL POSITION	BEST LAPTIME	LAPS	TIME
18	18	16,552 /sec	/	

TRACK	
TRACK SURFACE	<input checked="" type="checkbox"/> CARPET <input type="checkbox"/> ASPHALT
TRACK LAYOUT	<input type="checkbox"/> TECHNICAL <input type="checkbox"/> MIXED <input checked="" type="checkbox"/> FAST
TRACTION	<input type="checkbox"/> LOW <input type="checkbox"/> MEDIUM <input checked="" type="checkbox"/> HIGH

FRONT	TRANSMISSION	REAR
GEAR DIFF OIL	<input checked="" type="checkbox"/> FRONT SOLID AXLE	GEAR DIFF OIL 8000 /cSt
PINION 38 /T	SPUR GEAR 100 /T	FINAL DRIVE RATIO 5,0

FRONT	SHOCKS	REAR
2,4-2,7	XRAY SPRINGS	2,6
425	OIL /cSt	425
25	REBOUND %	25
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOAM INSERTS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

<input type="checkbox"/> 4 HOLES	1.1mm	1.1mm	4 HOLES
<input checked="" type="checkbox"/> PSS	1.2mm	1.2mm	PSS
0,8			0,8
SHOCK LENGTH 8,5 /mm			SHOCK LENGTH 8,5 /mm

1,2	THICKNESS/mm	ANTI-ROLL BAR	THICKNESS/mm	1,2
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Matrix spec	TIRES
25min - 3 times	ADDITIVE
	ADDITIVE TIMING

FRONT LEFT	FRONT RIGHT	TREATED AREA	REAR LEFT	REAR RIGHT
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TOTAL WEIGHT	/g	WEIGHT BALANCE	FRONT %	REAR %
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MOTOR	Orca 13.5 spec	TIMING
ESC	Orca spec	BATTERIES
BODY	Wolverine	WING
		std

58 /mm	Dimension from body post to window bottom line	BODY POSITION
25 /mm	Dimension from body post to upper holder	WING SIDE PLATE
	Dimension from edge to surface	YES <input checked="" type="checkbox"/> NO

X4'23	1.6mm	<input checked="" type="checkbox"/> 2.0mm	<input checked="" type="checkbox"/> 1.6mm
X4'22	2.0mm	<input type="checkbox"/> 2.0mm	<input type="checkbox"/> 1.6mm
X4'22	2.0mm	<input type="checkbox"/> 1.6mm	<input type="checkbox"/> BEARING

Comments
Started with 1mm on rear upper arm inside, went up because of the car had more and more rear grip. In the end 2mm was still a bit stuck in the rear, but in Q3 and 4 car was perfect.
Tried 0.1 harder springs all around, but did not like it (laptimes similar)
Body position measured from the groove in front of the window

FRONT & REAR SUSPENSION
<div> <b>FRONT CASTER</b>  <input type="checkbox"/> 5° <input checked="" type="checkbox"/> 4° <input type="checkbox"/> 3°            Adjust with eccentric bushings         </div> <div> <b>BUMP STEER</b>            4 /mm         </div> <div> <b>HEIGHT</b>            19 /mm         </div> <div> <b>SHIM</b>            7 /mm         </div> <div> <b>UPPER CLAMP</b>            STD. <input checked="" type="checkbox"/> -1.5mm         </div> <div> <b>2 /mm FF</b>  <input checked="" type="checkbox"/> </div> <div> <b>5,0 /mm FR</b>  <input checked="" type="checkbox"/> </div> <div> <b>2 /mm FR</b>  <input checked="" type="checkbox"/> </div> <div> <input type="checkbox"/> SERVO SAVER         </div> <div> <input checked="" type="checkbox"/> SERVO HORN         </div> <div> <b>TOE GAIN</b>            5 /mm         </div> <div> <b>3 /mm RF</b>  <input checked="" type="checkbox"/> </div> <div> <b>5,2 /mm RR</b>  <input checked="" type="checkbox"/> </div> <div> <b>3 /mm RR</b>  <input checked="" type="checkbox"/> </div>

FRONT SUSPENSION
<div> <b>1,5 /deg. CAMBER</b>            Left = Right         </div> <div> <b>BODY STOP</b>            YES <input checked="" type="checkbox"/> NO         </div> <div> <b>FRONT BRACE</b>            YES <input type="checkbox"/> NO         </div> <div> <b>FRONT SHOCK POSITION</b>            1 2         </div> <div> <b>BULKHEAD SHIMS</b>            YES <input checked="" type="checkbox"/> 3mm NO         </div> <div> <b>DRIVE SHAFT</b>  <input checked="" type="checkbox"/> 58mm <input type="checkbox"/> 59mm <input checked="" type="checkbox"/> BEARING BLADE         </div> <div> <b>2-3 /mm SHIM</b>            2 /mm         </div> <div> <b>FRONT HUB</b>            HARD <input type="checkbox"/>            GRAPHITE <input checked="" type="checkbox"/>            ALU <input type="checkbox"/> </div> <div> <b>SHIM</b>            0,5 /mm         </div> <div> <b>0 1/2 HUBDY</b>            -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10         </div> <div> <b>#107702 Chassis Droop Gauge Blocks</b> </div> <div> <b>#107712 Chassis Droop Gauge</b> </div> <div> <b>6,6 /mm DOWNSTOP</b> </div>

REAR SUSPENSION
<div> <b>2 /deg. CAMBER</b>            Left = Right         </div> <div> <b>BODY POST</b>            VERTICAL <input type="checkbox"/>            HORIZONTAL <input checked="" type="checkbox"/> </div> <div> <b>REAR SHOCK POSITION</b>            1 2         </div> <div> <b>DRIVE SHAFT</b>  <input type="checkbox"/> 52mm <input checked="" type="checkbox"/> 54mm <input checked="" type="checkbox"/> BEARING BLADE         </div> <div> <b>2 /mm SHIM</b>            2 /mm         </div> <div> <b>REAR HUB</b>            HARD <input type="checkbox"/>            GRAPHITE <input checked="" type="checkbox"/>            ALU <input type="checkbox"/> </div> <div> <b>SHIM</b>            1 /mm         </div> <div> <b>0 1/2 HUBDY</b>            -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10         </div> <div> <b>#107702 Chassis Droop Gauge Blocks</b> </div> <div> <b>#107712 Chassis Droop Gauge</b> </div> <div> <b>4,0 /mm DOWNSTOP</b> </div>

FRONT TOP VIEW	REAR
<div> <b>1 TOE OUT</b>            Left = Right         </div> <div> <b>ACKERMANN</b>            SHIM 0 /mm         </div> <div> <b>DIFF POSITION</b>            UP <input checked="" type="checkbox"/> DOWN         </div> <div> <b>UPPER ARM</b>            SOFT <input type="checkbox"/>            MEDIUM STD. <input checked="" type="checkbox"/> </div> <div> <b>STEERING BRIDGE</b>            YES <input type="checkbox"/> NO         </div> <div> <b>HUB OFFSET</b>            STD. <input checked="" type="checkbox"/> -0.5mm <input type="checkbox"/> +0.5mm SHIM/mm 0,5         </div>	<div> <b>2 TOE IN</b>            Left = Right         </div> <div> <b>SHIM</b>            /mm         </div> <div> <b>DIFF POSITION</b>            UP <input checked="" type="checkbox"/> DOWN         </div> <div> <b>UPPER ARM</b>            SOFT <input type="checkbox"/>            MEDIUM STD. <input type="checkbox"/> </div> <div> <b>STEERING PLATE</b>            8.0mm <input checked="" type="checkbox"/> STD. 7.5mm         </div> <div> <b>HUB OFFSET</b>            STD. <input checked="" type="checkbox"/> -0.5mm <input type="checkbox"/> +0.5mm SHIM/mm 0,75         </div>

FRONT BOTTOM VIEW	REAR
<div> <b>STEER. LOCK</b>            24 /deg.         </div> <div> <b>STEER. SHIM</b>            SIZE FR RE         </div> <div> <b>FRONT BRACE</b>            YES <input type="checkbox"/> NO         </div> <div> <b>SERVO HOLDER</b> </div> <div> <b>FRONT ARMS</b>            MEDIUM <input type="checkbox"/>            HARD <input checked="" type="checkbox"/> </div>	<div> <b>T-BRACE</b>            ALU <input type="checkbox"/>            BRASS <input type="checkbox"/> </div> <div> <b>MOTOR MOUNT</b> </div> <div> <b>CHASSIS</b>            GRAPHITE <input type="checkbox"/>            ALU <input type="checkbox"/>            ALU FLEX <input checked="" type="checkbox"/> </div> <div> <b>REAR ARMS</b>            MEDIUM <input type="checkbox"/>            HARD <input checked="" type="checkbox"/> </div>