

# SET-UP SHEET

XRAY XB8'23 SET-UP VER.01 ©XRAY

**XRAY XB8'23 PIVOT BALL**

RACE	Mugen Challenge		
TRACK	LCRC raceway		
NAME	Ty Tessmann	DATE	August 2023

TEMPERATURE AIR		TEMPERATURE TRACK	
LAPS		FINAL POSITION	1st
		BEST LAPTIME	/sec
		RACE LENGTH	45 /min

TRACKS	
SIZE	<input type="checkbox"/> OPEN <input checked="" type="checkbox"/> MEDIUM <input type="checkbox"/> TIGHT

TRACTION	<input type="checkbox"/> LOW <input type="checkbox"/> MEDIUM <input checked="" type="checkbox"/> HIGH
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SURFACE	<input type="checkbox"/> SMOOTH <input checked="" type="checkbox"/> MEDIUM <input type="checkbox"/> BUMPY
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TYPE	<input checked="" type="checkbox"/> HARD PACKED <input type="checkbox"/> SOFT DIRT <input type="checkbox"/> CLAY
	<input type="checkbox"/> BLUE GROVE <input type="checkbox"/> ASTRO TURF <input type="checkbox"/> GRASS

CONDITION	<input checked="" type="checkbox"/> DRY <input type="checkbox"/> DUSTY <input type="checkbox"/> WET <input type="checkbox"/> MUD
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DIFFERENTIAL			
CASE MATERIAL	FRONT G	CENTER G	REAR G
OIL	12K	15K	6K
CROWN GEAR	14-46		14-46

GEARING	
CLUTCH SHOE	3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 4 medium
SPRINGS	4 medium
CLUTCH BELL	13 /T
SPUR GEAR	48 /T

FRONT	SHOCKS	REAR
Zero rebound	TYPE	Zero rebound
4 dot	SPRINGS	4 dot
Soft clear	MEMBRANE	Soft clear
750 /cSt	OIL	600 /cSt

STANDARD PISTONS	
<input type="checkbox"/> 6 HOLES	<input type="checkbox"/> 1.1 mm
<input checked="" type="checkbox"/> 8 HOLES	<input type="checkbox"/> 1.2 mm
<input type="checkbox"/> 10 HOLES	<input type="checkbox"/> 1.3 mm
<input type="checkbox"/> 5x1.2 - 3x1.3	<input type="checkbox"/> 1.4 mm
	OTHER 1.35
VALVE PISTONS	
<input type="checkbox"/> 5+2 HOLES	<input type="checkbox"/> 1.5 mm
<input type="checkbox"/> 6+2 HOLES	<input type="checkbox"/> 1.3 mm
<input type="checkbox"/> 8+2 HOLES	<input type="checkbox"/> 1.4 mm
	<input type="checkbox"/> 1.2 mm
	<input type="checkbox"/> 1.3 mm

FRONT	ANTI-ROLL BAR	REAR
2.2 /mm	THICKNESS	2.4 /mm

FRONT	TIRES	REAR
Amazonia	BRAND	Amazonia
Medium	COMPOUND	Medium
HotRace	INSERTS	HotRace
	WHEELS	

ENGINE	
TYPE	FX K303
MUFFLER	FX 2169
MANIFOLD	FX short/medium
PLUG	FX X4
FUEL	Vp Tessmann 30%

BODY		OTHER	TOTAL WEIGHT
EASY	<input checked="" type="checkbox"/>		
EASY LIGHT			/g

FRONT	SHOCK TOWERS	REAR
STEERING BLOCK	FRONT ALU <input checked="" type="checkbox"/> GRAPHITE <input type="checkbox"/>	REAR ALU <input checked="" type="checkbox"/> GRAPHITE <input type="checkbox"/>
UPPER ARM SHIM /mm	UPPER SHOCK POSITION	UPRIGHT
0 1 1.5 2 .5	UPPER ARM WING	MEDIUM <input type="checkbox"/> HARD <input type="checkbox"/> GRAPHITE <input checked="" type="checkbox"/> ALU <input type="checkbox"/>
	NONE <input checked="" type="checkbox"/> LEXAN <input type="checkbox"/> CARBON <input type="checkbox"/>	FLAT <input type="checkbox"/> LSM <input checked="" type="checkbox"/>
PIVOT BALLS	FRONT LOWER SHOCK POSITION	UPRIGHT ROLL CENTER
UP STEEL <input type="checkbox"/> ALU <input checked="" type="checkbox"/>		1 2 3
DOWN STEEL <input type="checkbox"/> ALU <input checked="" type="checkbox"/>		REAR ROLL CENTER
OFFSET		1 2 3
0 +1 +2		LOWER ROLL CENTER
PIVOT NUT		
ALU <input checked="" type="checkbox"/> BRASS <input type="checkbox"/>		
FRONT DROOP	LOWER ARM SHIM	REAR DROOP
MEASURE UNDER WHEEL AXLE #107717 GAUGE	0 1mm 2mm	MEASURE UNDER WHEEL AXLE

FRONT	REAR
UPPER ROLL CENTER	REAR WING
1° <input checked="" type="checkbox"/> 0.5°	COMPOSITE <input type="checkbox"/> LEXAN <input checked="" type="checkbox"/> OTHER
1° <input checked="" type="checkbox"/> 0.5°	FRONT MIDDLE REAR
CASTER SHIM	WING HOLDER
0 1.0 1.0 2.0	FRONT REAR
BUMP STEER SHIM	GRAPHITE BRACE
STEERING PLATE 0 /mm	WITHOUT <input checked="" type="checkbox"/> 1-PIECE <input type="checkbox"/> 2-PIECES <input type="checkbox"/>
STEERING BLOCK 0 /mm	
SHIMS PLACE ALWAYS UNDER	
WHEELBASE SHIM POSITION	
0mm 2mm 4mm	
SHIMS BEHIND FRONT ARM	
WHEELBASE SHIM POSITION	
0mm 2mm 4mm	
SHIMS IN FRONT OF REAR ARM	
LOWER ROLL CENTER	
ECCENTRIC BUSHINGS	

FRONT	REAR
FRONT TOE OUT	REAR TOE IN
1	
STEERING PLATE	WHEELBASE
1 DOTS <input type="checkbox"/> 2 DOTS <input checked="" type="checkbox"/>	0mm 1mm 2mm 3mm 4mm
SHIMS IN FRONT OF UPRIGHT	
SERVO SAVER	RADIO CASE
TIGHT <input checked="" type="checkbox"/> MEDIUM <input type="checkbox"/> SOFT <input type="checkbox"/>	SOFT <input checked="" type="checkbox"/> HARD <input type="checkbox"/>
SIDE GUARD	REAR DRIVE SHAFT
SOFT <input checked="" type="checkbox"/> MEDIUM <input type="checkbox"/> GRAPHITE <input type="checkbox"/>	CVD <input checked="" type="checkbox"/> UNIVERSAL <input type="checkbox"/> LENGTH 94 /mm
FRONT DRIVE SHAFT	
CVD <input type="checkbox"/> UNIVERSAL <input checked="" type="checkbox"/> LENGTH 94 /mm	
TOP DECK	
COMPOSITE <input checked="" type="checkbox"/> GRAPHITE <input type="checkbox"/>	
DRIVE SHAFT	
CVD <input checked="" type="checkbox"/> DOGBONE <input type="checkbox"/>	
GRAPHITE BRACE	
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

FRONT	REAR
FRONT CAMBER	REAR CAMBER
109 /mm	-4
LENGTH	LENGTH
37 mm	48 /mm
UPPER ARM	FRONT DIFF HEIGHT
SOFT <input type="checkbox"/> MEDIUM <input type="checkbox"/> GRAPHITE <input type="checkbox"/>	
LOWER ARM	REAR DIFF HEIGHT
SOFT <input type="checkbox"/> MEDIUM <input type="checkbox"/> GRAPHITE <input type="checkbox"/>	
RIDE HEIGHT	RIDE HEIGHT
23 /mm	28 /mm