XRAY XB8E '20-'22

Setup: XB8E ‘22 stoppelhopser · Bob Romijn · Jun 6, 2023

so dialed
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EVENT	
Event	Buggy cup

TRACK	
Track	Stoppelhopser Oberhausen
Type	Outdoor blue groove
Grip / moisture	Medium / Dusty
Surface / layout	Bumpy / Medium
Air temp	22.5°C (73°F)

RESULTS	
Race type	Main
Finish	15th
Best lap	33.6 s

FRONT SUSPENSION

Ackermann: inner steering link location	3 - Mid-front
Anti-roll bar	2.0mm
Anti-roll bar end gap	1.5 mm
BUMP STEER	
Inner steering link shims	0 mm
Outer steering link shims	0 mm
C-hub	N/A
C-HUB	
Camber link: outer stud location	N/A
Caster bushings	N/A
Camber: upper arm pivot ball shims	1 mm
Caster: upper arm mount shims - F/R	2 / 2 mm
Droop	5 mm
FF mount inserts	1 in
FR mount inserts	1 down and in
Hubs	Pivot ball Hard
Lower arms	Medium
Ride height	22 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	5 - Top middle
Steering block arm	2 dots
Steering block trail	No
Tower	Aluminum
TRACK	
Lower arm pivot ball shims	0 mm
Wheel hexes	+1mm
UPPER ARM	
Mount inserts - front	1 down and in
Mount inserts - rear	1 down and in
Upper arms	Medium
Wheelbase: lower arm shims - F/R	0 / 2 mm

REAR SUSPENSION

Anti-roll bar	2.2mm
Anti-roll bar arm mount	Outside
Anti-roll bar end gap	1.5 mm
Arms	Hard
CAMBER LINK	
Inner stud location	3 - Inside top
Outer stud location	C - Outside
Droop	8 mm
Hub pin location	Outside top
Hubs	Hard
RF mount	Kit
RF mount inserts	1 down and in
Ride height	24 mm
RR mount	Kit
RR mount inserts	1 down and in
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	5 - Top inside
Tower	Aluminum
Track: wheel hexes	+2mm
WHEELBASE	
Arm shims	Short (back of arm)
Hub shims - F/R	0 / 4 mm

BODY & CHASSIS

Body	Kit
Center diff mounting plate	Composite
Chassis brace - rear	Composite
Chassis sideguard braces	None
Chassis sideguards	Kit
Front upper plate	Composite
Rear wing	Plastic
Weight balance (F/R)	49 / 51
Weights	40 grams on 4spots at the back of chassis

SHOCKS

	FRONT	REAR
Bodies	Kit	Kit
Oil weight	550 cst	600 cst
Pistons	8 x 1.2mm	6 x 1.4mm / 2 x 1.1mm
Pre-load	2 mm	2 mm
Rebound	0 %	0 %
Shafts	61mm	67.5mm
Springs	Prog 69mm 4 dot C0.8-0.83	Prog 85mm 3 dot C0.68-0.7
Shock oil brand	Hudy	

DIFFERENTIALS

	FRONT	REAR
Diff case	Kit	Kit
Diff fluid	7,000 cst	3,000 cst
Diff mass	41.90 g	41.90 g
Center diff case	v2 Center diff	
Center diff fluid	7,000 cst	
Center diff mass	48.75 g	

DRIVETRAIN

Drive ratio - internal	3.29
Driveshaft - center front	CVD
Driveshaft - center rear	CVD
Driveshafts - front	CVD
Driveshafts - rear	CVD
Pinion	17 teeth
Spur	46 teeth