Xpress EXECUTE XM1S

Setup: WBMCC 30/07/23 (Lindau Carpet) · Alex Watts · Aug 4, 2023

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EVENT	
Event	BRCA MTC Nationals 2024
Class	4WD Rubber

TRACK	
Track	West Bridgford
Type	Indoor carpet
Grip / moisture	Medium/High / Dry
Surface / layout	Medium/Smooth / Medium
Air temp	20°C (68°F)

RESULTS	
Race type	Main
Best lap	14.15 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link spacers	0 mm
Outer steering stud location	1 - Outside
Anti-roll bar	1.3 mm
Arms	Hard
Bumpsteer: outer steering stud spacers	0 mm
Camber	-1 degrees
CAMBER LINK	
Inner stud spacers	1.0 mm
Outer stud spacers	0 mm
Differential height	Low
Downstop	5 mm
FF mount	Xray T4 One-piece aluminium
FF mount inserts	0 center
FF mount spacers	0 mm
FR mount	Xray T4 One-piece aluminium
FR mount inserts	0 center
FR mount spacers	0 mm
Hub carriers	Composite 4-degree
Ride height	5 mm
SHOCKS	
Arm mount spacers	0 mm
Arm mounting hole	B - Middle
Tower mount spacers	2.5 mm
Tower mounting hole	2/5 (Second from inside)
Steering block plates	Hard
Steering blocks	Hard
Toe	-1 degrees
Tower	(3mm) Custom Carbon shock towers
Track: wheel hexes	Aluminium 7mm
Wheelbase: arm spacers - F/R	6 / 3 mm

NOTES Downstop measured on 10mm blocks at front of wishbone under pin - measured with Hudy Ultra-fine Downstop Gauge

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	Hard
Camber	-2 degrees
CAMBER LINK	
Inner stud spacers	0 mm
Outer stud location	A - Inside
Outer stud spacers	2.0 mm
Differential height	Low
Downstop	4.6mm
RF mount	Xray T4 Split aluminium (ARS)
RF mount inserts	0 center
RF mount spacers	0 mm
Ride height	5mm
RR mount	Xray T4 One-piece aluminium
RR mount inserts	0 center
RR mount spacers	0 mm
SHOCKS	
Arm mount spacers	1.0 mm
Arm mounting hole	D - Mid-out
Tower mount spacers	2.5 mm
Tower mounting hole	3 - Middle (5 hole shock tower)
Toe	+2.5 mm
Tower	(3mm) Custom Carbon shock towers
Track: wheel hexes	Aluminium 7mm
Uprights	Hard
Wheelbase: arm spacers - F/R	2 / 6 mm

NOTES Downstop measured on 10mm blocks at rear of wishbone under pin - measured with Hudy Ultra-fine Downstop Gauge

TIRES

	FRONT	REAR
Additive area	80% (No additive outside edge)	80% (No additive outside edge)
Tire brand / type	Rush	Rush
Tire compound	30	24
Tire additive - F/R	Spider Grip - green Mr33 v4	
Tire glue diameter - F/R	- / - mm	

NOTES Glued sidewall of front tires after every race

SHOCKS

	FRONT	REAR
Bodies	Xray T4 2017	Xray T4 2017
Oil weight	450 cst	450 cst
Pistons	2-hole	2-hole
Springs	Team Powers MTC yellow-black progressive spring	Team Powers MTC yellow-black progressive spring
Stroke	11 mm	11 mm
Shock oil brand	CORE	

NOTES Build with 2mm rebound all round

DIFFERENTIALS

	FRONT	REAR
Diff fluid	Spool cst	5,000 cst
Diff fluid mass	–	1.3 g
Diff fluid brand	CORE	
Front diff type	Spool	

NOTES Xray T4 Front spool and Rear Diff -Rear Diff O-ring removed (Alexander hagberg leak-proof T4 Diff)

DRIVETRAIN

Drive ratio - internal	1.9
Gear pitch	64
Pinion	47 teeth
Spur	93 teeth

NOTES Front -Xpress Spring Steel Double Joint Universal Shaft (XP-10384)
Rear -Xpress Steel Universal Shaft(XP-10313)

BODY & CHASSIS

Battery position	Middle
Body	X-Treme 1/10 210-225mm
Body position	Rear body stops - 2 from bottom Front body stops - 5 from bottom
FLEX	
Chassis	(2.5mm) Custom Carbon Chassis
Upper deck	(2mm) Custom Carbon upper deck
Screws & turnbuckles	Xpress graphite ball ends
Weight: total	1200.1 g
Wheelbase	210 mm

NOTES 1mm shim under steering post

ELECTRONICS

Battery brand	**Fyrrework Lipo**
Battery C rating	**130**
Battery capacity	**6300 mAh**
ESC brand	**Hobbywing**
ESC model	**XR10 JustStock G3**
Motor brand	**Team Zombie**
Motor model	**Clubman 17.5t**
Motor timing	**40 degrees**
Motor wind	**17.5 turns**
Radio brand	**Futaba**