Yokomo BD FWD

Setup: BDFWD HRCC/RR setup · Casey Jerrom · Dec 2, 2025

so dialed
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TRACK

Track	HRCC/Rug Racers
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Medium

FRONT SUSPENSION

Ackermann: inner steering link shims	1 mm
Anti-roll bar	1.2 mm
Bell crank	18 mm
BUMP STEER	
Bell crank post shims	1 mm
Outer steering link shims	1.5 mm
C-Hubs	Standard
Camber	-2 degrees
CAMBER LINK	
Inner location	Out
Inner shims	2 mm
Outer shims	2 mm
Differential height	Low
FF mount shims	1.5 mm
FR mount shims	1.5 mm
Ride height	5.2 mm
SHOCKS	
Arm mounts	Out
Tower mounts	Mid
Steering blocks	Standard
Toe	-1 degrees
TRACK	
Wheel hexes	4.0mm
Wheel shims	0 mm

NOTES Front upper suspension mounts changed to BD12 with extra positions.

ELECTRONICS

Battery brand	Absima
Battery capacity	5000 mAh
Motor brand	Hobbywing
Motor model	JustStock 17.5 FTM
Motor wind	17.5 turns

ESC SETTINGS

NOTES 4.5 FDR 17500K RPM LIMIT

REAR SUSPENSION

Anti-roll bar	1.3 mm
Camber	-2 degrees
CAMBER LINK	
Inner location	Out
Inner shims	0 mm
Outer shims	2 mm
RF mount shims	1.5 mm
Ride height	5.6 mm
RR mount shims	1.5 mm
SHOCKS	
Arm mounts	Out
Tower mounts	BD12 rear shock tower conversion
Toe	2.5 degrees
TOE LINK	
Inner shims	0.5 mm
Outer shims	0 mm
TRACK	
Wheel hexes	4.0mm
Wheel shims	1 mm

NOTES BD12 rear shock tower conversion, BD12 kit setting with 3.0mm spacers

BODY & CHASSIS

FLEX	
Chassis	Aluminum
Motor mount screws	3, 5
Upper deck	Battery bump stop screw removed, two rear most screws removed from front upper deck
Screws & turnbuckles	Moody Fools Ti screw set. T-Works Ti turnbuckles
Weights	Kit 90g front weight only. No rear chassis weight, floating weight removed

SHOCKS

	FRONT	REAR
Bladders	Kit	Kit
Oil weight	450 cst	450 cst
Pistons	4 x 1.1mm	4 x 1.1mm
Rebound	0 %	0 %
Springs	Linear 2.6 2 stripe	Linear 2.7 4 stripe
Stroke	8.0 mm	8.1 mm

Shock oil brand: Yokomo

NOTES Shocks have been converted to BD12 bearing shocks, stroke has been changed due to this.

DRIVETRAIN

Diff fluid	500,000 cst
Diff fluid brand	Yokomo
Diff fluid mass	1.5 g
Diff type	Gear
Drive ratio - final	4.506
Drive ratio - internal	1.9
Driveshafts	Universal
Gear pitch	64
Pinion	43 teeth
Spur	102 teeth

TIRES

	FRONT	REAR
Tire additive	MR33 Indoor Carpet control addative	MR33 Indoor Carpet control addative
Tire brand / type	Ride BRCA FWD Control	Ride BRCA FWD Control
Wheel brand / type	Ride FWD BRCA Control	Ride BRCA FWD Control