Traxxas 4-Tec 2.0/3.0/VXL

Setup: Black Carpet Setup · Matthew Campbell · May 10, 2023

so dialed
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TRACK

Track	Dollar Hobbyz
Type	Indoor carpet
Grip / moisture	Medium/Low
Surface / layout	Smooth / Medium/Tight

FRONT SUSPENSION

Ackermann: outer steering link location	Back
Anti-roll bar	None
Arms	Kit
Bump steer: outer steering link shims	0 mm
CAMBER LINK	
Inner shims	1 mm
Outer shims	0 mm
Droop	Set droop screw until spring no longer moves up/down, but can still spin w/finger. Chassis droop tabs flex too much for additional droop changes. mm
Hub carriers	Kit
Ride height	5.2mm; 1mm pre-load spacer + 0.1mm 1/8th scale diff shims to get to ride height. mm
Shocks: tower mounts	B - Outside
Steering blocks	Kit
Suspension mounts	Kit
Tower	Kit
Track :wheel hexes	TRA1654

TIRES

	FRONT	REAR
Tire brand / type	Gravity RC USGT (non-belted)	Gravity RC USGT (non-belted)
Wheel brand / type	Gravity RC USGT	Gravity RC USGT
Tire prep	SXT 3.0 Black Dot	

NOTES 5-10 minutes before quals
3-5 minutes before mains
Wipe and let sit ~5 min.
Clean w/SXT

REAR SUSPENSION

Anti-roll bar	None
Arms	Kit
Camber	-1.5 degrees
CAMBER LINK	
Inner shims	0 mm
Outer location	Top inside
Outer shims	1 mm
Droop	Set droop screw until spring no longer moves up/down, but can still spin w/finger. Chassis droop tabs flex too much for additional droop changes. mm
Hubs	Kit
Ride height	5.4mm; 0.1mm 1/8th scale diff shims to make ride height mm
Shocks: tower mounts	A - Inside
Suspension mounts	Kit
Tower	Kit
Track: wheel hexes	TRA3654
Wheelbase: arm shims - F/R	0 / 0 mm

BODY & CHASSIS

Body	Protoform C8 Corvette PRM1574-25
Chassis	4-Tec 2.0
Rear wing	Kit
Weight balance - F/R	- / - %
Weight: total	Heavy g

NOTES Used center position for body.
Needed lots of added bumper foam to keep body from tucking under braking.

ELECTRONICS

Battery brand	R1 Wurks
Battery capacity	4800 mAh
ESC brand	Traxxas
ESC model	XL-5
Motor brand	Traxxas
Motor model	Titan 12T
Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver brand	Sanwa/Airtronics
Receiver model	482
Servo brand	Savox

SHOCKS

	FRONT	REAR
Bodies	Stock	Stock
Oil weight	450 cst	450 cst
Pistons	Stock	Stock
Pre-load	See suspension notes mm	See suspension notes mm
Shafts	Kit	Kit
Springs	4.4 Black stripe (8364)	3.7 Red
Shock oil brand	Flash Point	

NOTES For rear ride height, use Dremel cutting disc to sand the paint off the top/bottom of the red spring.

Use 1/8th scale 0.1mm diff shims to fine tune ride height.

As built, shocks have too much stiction. Build shocks, set stroke, then unscrew the lower cap ~0.1-0.2mm (measured via stroke). Glue cap in place w/small dot of CA.

DRIVETRAIN

Diff fluid - front	300,000 cst
Diff fluid - rear	8,000 cst
Diff fluid brand	Flash Point
Drive ratio - final	6.87
Drive ratio - internal	2.85
Drive type	Direct drive
Driveshaft - center	Steel
Driveshafts - front	Kit
Driveshafts - rear	Kit
Pinion	26 teeth
Spur	70 teeth

NOTES Be careful not to overfill the diffs.
Used a drop of Hudy graphite grease on ring/pinion diff gears.
Shim the axle behind the hex as needed.