TLR 22SCT 3.0

Setup: Hoosier Hobbyplex - Clash of Champions · Kyle Munson (TLR) · Jan 9, 2023

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EVENT	
Event	2023 Clash of Champions
Class	13.5 2wd SCT

TRACK	
Track	Hoosier Hobbyplex
Type	Indoor clay
Grip / moisture	High / Wet
Surface / layout	Smooth / Tight/Medium
Air temp	65°F (18°C)
Track temp	60°F (16°C)

RESULTS	
Race type	Main
Finish	1st

FRONT SUSPENSION

Anti-roll bar	**Pink**
Arm length (VLA setting)	**Short arm**
Arms	**Kit**
Axle height	**3mm top / 1mm below**
Camber	**-1 degrees**
CAMBER LINK	
Inner stud location	**1 - Inside**
Inner stud spacers	**2 mm**
Outer stud location	**A - Inside**
Outer stud spacers	**2 mm**
Hub carrier	**5 degrees**
Kick shim material	**Plastic**
Kickup	**25 degrees**
Pivot	**Aluminum**
Ride height	**18 mm**
SHOCKS	
Arm mounting hole	**B - Middle**
Tower mounting hole	**Hole 3 from inside (RCLyfe Low Rider)**
STEERING LINK	
Inner stud location	**Standard**
Inner stud spacers	**0 mm**
Outer stud location	**Standard**
Outer stud spacers	**1 mm**
Steering plate / arm	**3**
Steering type	**Bell cranks**
Toe	**-0.5 degrees**
Tower	**RCLyfe Low Rider**
Track: axle spacing	**0 mm**
Trail	**3 mm**

NOTES RCLyfe Lowrider Tower, Aluminum bellcranks and camber mount, servo mounts. G3 shock eyelets 0mm, G3 spring cups short.

REAR SUSPENSION

Anti-roll bar	**Pink**
Anti-squat block (C)	**22 5.0 Elite**
Anti-squat block inserts	**1 degrees**
Arms	**22T 4.0 arms, Stiffezel**
Axle height	**0 mm**
Camber	**-2 degrees**
Camber block spacer	**1 mm**
CAMBER LINK	
Inner stud location	**2 - Outside**
Inner stud spacers	**0 mm**
Outer stud location	**B - 22 5.0 Elite VHA Hub**
Outer stud spacers	**2 mm**
Hub	**22 5.0 Elite VHA - Aluminum**
Ride height	**18 mm**
Roll center	**Low**
Shock location	**Front of arm**
SHOCKS	
Arm mounting hole	**B - Middle**
Tower mounting hole	**Hole 4 from inside - RCLyfe Lowrider**
Toe plate (D)	**22 5.0 Elite**
Toe plate insert	**3.5 degrees**
Tower	**RCLyfe Lowrider**
Track: wheel hexes	**Aluminum +.75**
Wheelbase: hub spacers	**Front 2mm / rear 2mm**

NOTES 5.0 Elite C and D blocks, 1 up on C pill, .5 out middle row D pill. 5.0 Elite Aluminum VHA hubs, Elite axle stubs, Position 1 on Axle pin. Machine rear stub axle -4mm on shank, rethread axle with M4 die. Cut excess length off stub axle to avoid damage. note: 22S stub axle is direct fit if you dont want to modify stub axles, but will lose Axle bind tuning.

SHOCKS

	FRONT	REAR
Limiters (internal)	**3 mm**	**3 mm**
Oil weight	**37.5 wt**	**32.5 wt**
Pistons	**2 x 1.6mm**	**2 x 1.7mm**
Springs	**Kyosho Orange**	**AE yellow buggy spring**
Stroke	**26 mm**	**32**
Shock oil brand	**Team Losi**	

NOTES 41.5mm front shock bodies, standard front shafts. 45.0mm rear bodies 50mm rear shafts. G3 0mm Shock eyelets, G3 short spring cups.

DRIVETRAIN

Clutch pads	**SHDS Slipper setup**
Clutch type	**Slipper**
Differential type	**Ball**
Drive ratio - final	**9.02**
Drive ratio - internal	**2.43:1**
Pinion	**21 teeth**
Spur	**78 teeth**
Transmission gears	**3**

NOTES Laydown Transmission. 22 5.0 SHDS Top Shaft and Slipper setup. Differential setting to 3/4 revolution
Note: Remove "TQ" screw from trans motor plate to waterfall

BODY & CHASSIS

Battery position	**RCLyfe Inline Battery tray, and carbon electronics plate. middle position on battery cradle.**
Body	**TLR pre cut SCT body**
Weight balance (F/R)	**45 / 55**
Weight: total	**2194 g**

NOTES RCLyfe battery cradle/mount, carbon electronics plate. mount fan to chassis, cut left mud guard to size for fan mounting. drill hole in right mud guard for ease of access to motor screws

TIRES

	FRONT	REAR
Tire brand / type	**Jconcepts/Ellipses**	**Aka**
Tire compound	**Silver**	**Clay**
Tire insert	**Standard Dirt Tech**	**Aka**
Tire prep	**Sand tires to desired tread height. Sauce with SXT Baja Max.**	**–**
Wheel brand / type	**Jconcepts Hazard**	**–**

NOTES Punch holes in sidewalls, smallest setting on hole punch. tires sanded to slicks, inboard and outboard ridges left on tires, glued front sidewalls.

ELECTRONICS

Battery brand	**Spektrum**
Battery C rating	**120**
Battery capacity	**6300 mAh**
Battery model	**6300 Pro Series**
Motor brand	**Trinity**
Motor model	**Slot Machine**
Motor timing	**48 degrees**
Motor wind	**13.5 turns**
Radio EPA steering	**90 %**
Servo brand	**Spektrum**
Servo model	**S6240**
Transponder ID	**3653130**