Schumacher Cougar LD3

Setup: LD3D - Robin Hood Raceway - 28th March 2024 - Wet · Luke Holdsworth · Mar 30, 2024

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EVENT

Event	Practice Day

TRACK

Track	Robin Hood Raceway
Type	Outdoor astroturf
Grip / moisture	Low / Wet
Surface / layout	Bumpy / Medium
Air temp	10°C (50°F)
Track temp	10°C (50°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	2 mm
Steering arms	Kit
Anti-roll bar	0 mm
Arms	Medium
Axle height: hub shims	1 mm
Bump steer: outer steering link shims	1 mm
Camber	-1.5 degrees
CAMBER LINK	
Inner location	3 - Out
Inner mount	Alloy
Inner shims	2 mm
Outer location	A Out
Center track rod	Standard
Center track rod stud location	2
Pivot block	Alloy
Pivot block height	+1 mm
Ride height	18 mm
Shock tower	S2
SHOCKS	
Arm mounts	B - Out
Tower mounts	3
Steering blocks	Standard
Steering crank mount location	2 - Out
Toe	0 degrees
Track: wheel hexes	-1.5 mm
WHEELBASE	
Arm orientation	+0 mm
Chassis insert	+0 mm
Hub shims	+1.5 mm
Yokes	5 deg plastic

REAR SUSPENSION

Anti-roll bar	0 mm
Anti-squat: strap spacer	1 degrees
Arm length	2 - Long
Arms	Medium
Camber	-1.5 degrees
CAMBER LINK	
Inner location	2 - Outside
Inner shims	0 mm
Outer location	Inboard - back inside
Outer shims	3
Differential height	Medium mm
Hub height: insert orientation	Low
Hub inserts	F
Hubs	Standard
Ride height	19 mm
Shock location	Front of arm
Shock tower	S2
SHOCKS	
Arm mounts	B - Mid
Tower mounts	4
Toe: arm mount inserts	3.5 degrees
Track: wheel hexes	+0.75 mm
Wheelbase: hub shims	+2 mm

TIRES

	FRONT	REAR
Tire brand / type	Schumacher Fusion Slim - Silver	Schumacher Mezzo - Silver
Tire inserts	-	Cragg
Wheel brand / type	Schumacher	Schumacher

NOTES Sidewalls of the front tyres were glued to the rim.

SHOCKS

	FRONT	REAR
Bodies	Kashima	Kashima
Caps	Aeration	Aeration
Limiters - ext	0 mm	1 O-Ring mm
Limiters - int	0 mm	0 mm
Oil weight	450 cst	400 cst
Pistons	3 x 1.5mm - White	3 x 1.6mm - Black
Springs	HR 3.7lb Blue	Hi-response 2.2lb Green
Stroke	22 mm	28.5 mm

Shock oil brand: CORE

DRIVETRAIN

Clutch pads	3
Differential fluid	- cst
Differential fluid brand	-
Differential type	Ball
Drive ratio - internal	2.53
Drive type	Slipper
Driveshafts	CVD
Gearbox	Layback
Pinion	22 teeth
Spur	76 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	–	JConcepts 7 Inch

Battery position	5
Body	JConcepts S2
FLEX	
Chassis	Alloy
Cross brace	None
Motor plate	Aluminum
Radio tray position	3 - Front
Rear wing angle	-
Rear wing gurney height	Low mm
Rear wing height	-
Screws & turnbuckles	Kit
Weights: standard	Radio tray

ELECTRONICS

Battery brand	**NOSRAM**
Battery capacity	**4200 mAh**
Battery model	**-**
ESC brand	**Hobbywing**
ESC model	**XR10 Pro G2S**
Motor brand	**Hobbywing**
Motor model	**Xerun G3**
Motor timing	**30 degrees**
Motor wind	**7.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA brake	**85 %**
Radio EPA throttle	**100 %**
Radio model	**M17**
Receiver brand	**Sanwa/Airtronics**
Servo brand	**Power HD**
Servo model	**S15**

ESC SETTINGS

Turbo: Timing	**20 degrees**