Schumacher Cougar Laydown

Setup: Mendip GP Sept 2020 · Craig Harris (Schumacher) · Apr 21, 2022

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EVENT	
Event	GP

TRACK	
Track	Mendip
Type	Outdoor astroturf
Grip / moisture	Medium / Dry
Surface / layout	Bumpy / Medium
Track temp	20°C (68°F)

FRONT SUSPENSION

Anti-roll bar	None
Arms	Kit
Axle height (steering block spacers)	High
Camber	-2 degrees
Camber link mount	Aluminum
CAMBER LINK	
Inner stud location	2 - Outside
Inner stud spacers	1 mm
Outer stud location	B - Outside
Outer stud spacers	0 mm
FR (B) mount	Kit
Hub carrier / yoke	5 degree Aluminum
Ride height	18 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	1 - Inside
Steering block	Kit
STEERING LINK	
Inner stud location	Alloy
Inner stud spacers	2 mm
Outer stud spacers	0 mm
Toe	0 degrees
Tower	Kit
Wheel hex	-0.75mm
Wheelbase (hub carrier spacers)	+4.5mm

NOTES All captive ball joints replaced with ball grippas

TIRES

	FRONT	REAR
Tire brand / type	Schumacher LP cur stagger	Schumacher Mini Dart
Tire compound	Yellow	Yellow
Tire insert	None	Medium Blue
Tire prep	None	None
Wheel brand / type	Schumacher	Schumacher

NOTES Outside row cut off rear

REAR SUSPENSION

Anti-roll bar	None
Anti-squat (strap spacer)	2 degrees
Arm length (track)	Long
Arms	Kit
Axle height (hub insert)	High (low pin)
Camber	-2 degrees
Camber block	Kit
CAMBER LINK	
Inner stud location	2 - Outside
Inner stud spacers	2 mm
Outer stud location	C - Mid-out
Outer stud spacers	0
Differential height	Low mm
Hub	Kit
Pin height (roll center)	High
Ride height	18 mm
RR (D) mount	Kit
Shock location	Front of arm
Shock top standoff spacing	1 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Mid-in
Toe (RF/RR mount inserts)	-2.5 degrees
Tower	Kit
Wheel hex	2.25mm
Wheelbase (hub spacers)	Long (hub back)

NOTES Captive ball joints replaced with ball grippas

SHOCKS

	FRONT	REAR
Bodies	Kashima coated	Kashima coated
Caps	Aeration	Aeration
Limiters (external)	0	0
Limiters (internal)	0	0
Oil weight	600 cst	450 cst
Pistons	3 x 1.7mm - Kit	2 x 2.1
Springs	CORE Orange	CORE Green
Stroke	22 mm	28 mm
Shock oil brand	CORE	

DRIVETRAIN

Clutch pads	3
Differential fluid	N/A cst
Differential type	Ball
Drive type	Slipper
Driveshafts	Universal
Pinion	23 teeth
Spur	80 teeth

NOTES Machines idler v2

BODY & CHASSIS

	FRONT	REAR
Wing	Stock	Penguin King
Battery position	Thumbs, Rubber Band. Middle	
Body	Penguin Dart	
Chassis sidepods	Kit	
Cross brace	None	
Front wing location	Low	
Motor plate	Kit	
Rear wing angle	Stock	
Rear wing height	L1 Evo mounts	
WEIGHT		
Battery	0	
Chassis	Kit	
Electronics plate	30g	
Total	1520 g	

NOTES Rearmost sidepod screws removed

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery capacity	**4200 mAh**
ESC brand	**Hobbywing**
ESC model	**XR10 Pro g2**
ESC settings	**DrgBrk 12 BrkFreq 2k BrkRt 10 Freq 12k ThRt 6 Bst 0 Tbo 15 Softening 25% 5deg**
Motor brand	**LRP**
Motor model	**X22**
Motor timing	**Kit 20 degrees**
Motor wind	**7.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**95 %**
Radio EPA throttle	**100 %**
Radio model	**ExcesZZ**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**472**
Servo brand	**Savox**
Servo model	**1258TG**
Transponder ID	**8274426**