Schumacher CAT PB

Setup: Cobra “Safe” setup (New EOS carpet) · Craig Harris (Schumacher) · Mar 21, 2026

so dialed
Open/save in RC Setup App →

Scan to open in the app

EVENT	
Event	Club

TRACK	
Track	Cobra
Type	Indoor carpet
Grip / moisture	Medium/High
Surface / layout	Smooth / Medium

FRONT SUSPENSION

A mount inserts	0.5 down and in
ACKERMANN	
Inner steering link location	Front
Steering arm	Kit
Anti-roll bar	2.0 mm
Arms	Medium
AXLE HEIGHT	
Yoke pin height	Low (high pin)
Yoke shims	2 mm
B mount inserts	0.5 in
BUMP STEER	
Inner steering link shims	0 mm
Outer steering link shims	0 mm
Camber	-2 degrees
CAMBER LINK	
Inner	Down
Outer	In
Outer shims	4 mm
Caster: yokes	6 deg aluminum
Differential height	+1.25 mm
Hub carriers	Plastic
Ride height	12 mm
Shock tower	S2
SHOCKS	
Arm mounts	Mid
Tower mounts	Mid-in
Toe	-1 degrees
Track: wheel hexes	-1.0 mm
Wheelbase: arm shims	3 mm

NOTES 3mm under shock top ballstud

ELECTRONICS

Battery brand	Intellect Pioneering
Battery capacity	4400 mAh
Battery model	IPBL2S4400MC3
ESC brand	Hobbywing
ESC model	XR10
Motor brand	LRP
Motor wind	5 turns
Servo brand	AGFRC
Servo model	A81BHPW

REAR SUSPENSION

Anti-roll bar	2.1 mm
Arms	Medium
Axle height: hub inserts	Down 3
C mount height	High
C mount inserts	1 out
Camber	-2 degrees
CAMBER LINK	
Inner	Up
Outer	Mount in / Back inside
Outer shims	1 mm
D mount height	High
D mount inserts	0.5 up
Differential height	+1.25 mm
Hub carriers	Plastic
Ride height	13 mm
Shock tower	S2
SHOCKS	
Arm mounts	Mid
Tower mounts	Mid-in
Track: wheel hexes	-0.75 mm
Wheelbase: hub shims	+6 mm

NOTES 3mm under shock top ballstud.
Rear hub is low hub/axle with #2 insert

BODY & CHASSIS

	FRONT	REAR
Wing	–	Aerox Trident LD3

Battery position	Front
Body	Kit
Chassis	Short
Rear wing gurney height	5 mm
Top deck - front	Yes
Top deck - rear	Yes

NOTES Also tried short wheel base which gave more steering but made car very unpredictable

SHOCKS

	FRONT	REAR
Bodies	Kashima	Kashima
Caps	Aeration	Aeration
Limiters - ext	0 mm	o-ring mm
Limiters - int	0 mm	0 mm
Oil weight	650 cst	525 cst
Pistons	2 x 1.6mm tapered	2 x 1.8mm tapered
Springs	Agile 4.0lb Black AX109	Agile 2.6lb Black AX114
Stroke	22 mm	28.5 mm

Shock oil brand	CORE

DIFFERENTIALS

	FRONT	REAR
Diff fluid	12,000 cst	12,000 cst
Diff type	4-gear	4-gear

Center diff fluid	N/A cst
Center diff type	Slipper
Front adjustable brake	Yes

NOTES FAB set medium tightness

DRIVETRAIN

Drive ratio - internal	2.5
Driveshafts - front	Roche
Driveshafts - rear	Universal
Pinion	19 teeth
Slipper clutch pads	3
Spur	83 teeth

NOTES HD slipper pads

TIRES

	FRONT	REAR
Tire brand / type	Schumacher U6907 Shard	Schumacher U6838 Cactus
Tire compound	Yellow	Yellow
Tire insert	Schumacher Medium U6733	Cragg Blue
Wheel brand / type	Schumacher	Schumacher

NOTES Front tyres- glued outer sidewall up to blocks.
Rear tyres- snipped inside and outside rows

ESC SETTINGS

BRAKE

Drag	**17 %**
Frequency	**1 kHz**
Strength	**72**

THROTTLE

Frequency	**8 kHz**
Strength	**Th Rate 20**

TURBO

Activation method	**Full throttle**
Delay	**.05 seconds**
Ramp	**5 deg/sec**
Timing	**15 degrees**