

FENIX RACING

G12

1/12 Pan Car Setup Sheet v1.0

Front Suspension

Springs ☐ progressive ☐ linear ☐ bi-rate ☐ Rate / Color _____
Make ☐ Fenix ☐ Asso ☐ CRC ☐ Xray ☐ _____ Droop / Preload _____ mm

Camber L +/- _____ ° R +/- _____ °

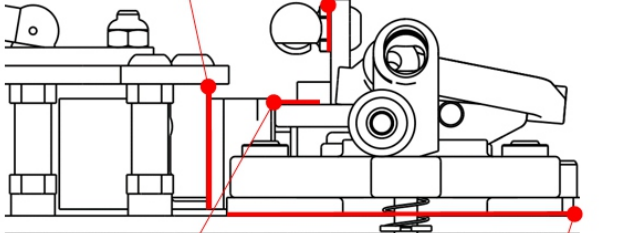
Toe in/out -/+ _____ °

Brace ☐ fixed ☐ adjustable:
 Brace spacer _____

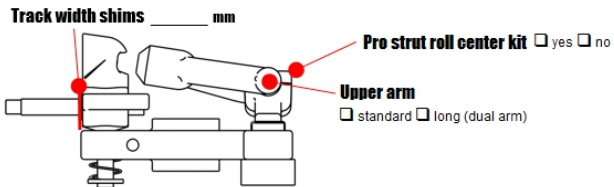
Steering Servo Saver ☐ large ☐ mid ☐ small
 Servo Position ☐ left ☐ right

Inner steering link mounting holes

Ackermann Shims Servo Saver _____ mm
 Servo mount _____ mm



Bumpsteer Shims _____ mm **Ride height Spacer** _____ mm



Track width shims _____ mm
Pro strut roll center kit ☐ yes ☐ no
Upper arm ☐ standard ☐ long (dual arm)

Caster

Caster	Position	Shim placement	
		FR	FF
max	☐	3	-
med +	☐	2	1
med -	☐	1	2
min	☐	-	3

Reactive Caster Block

☐ 0° ☐ 5° ☐ 10°

Body

Make _____ **Weight** ☐ regular ☐ lightweight ☐
Mounting Position ☐ regular ☐ forward ☐ backward +/- _____ mm

Notes _____

Tx

St Expo +/- _____ % **St Travel (Dual Rate)** _____ % **Brake** _____ %
Th Expo +/- _____ % **Notes** _____

Track & Event Information

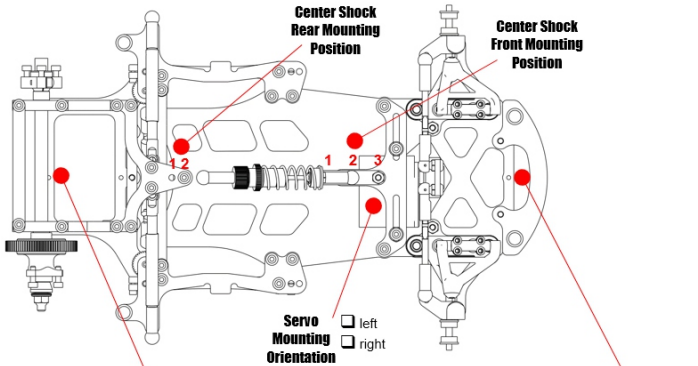
Driver _____ **Date** _____
Event _____ **Weather** ☐ sunny ☐ cloudy
Track _____ ☐ windy ☐ raining
Type ☐ asphalt ☐ carpet **Surface** ☐ bumpy ☐ smooth **Track condition**
Layout ☐ tight / technical ☐ fast / flowing ☐ _____ ☐ dry ☐ humid ☐ wet
Grip level ☐ very high ☐ high ☐ medium ☐ low ☐ very low ☐ clean ☐ dusty ☐ treated

Times **Best Run** **Best Lap** **Air Temp** **Track Temp**
Practice _____ **Laps in** _____ **Min** _____ **Sec** _____ **° C / F** _____ **° C / F**
Qualifying _____ **Laps in** _____ **Min** _____ **Sec** _____ **° C / F** _____ **° C / F**
Finals _____ **Laps in** _____ **Min** _____ **Sec** _____ **° C / F** _____ **° C / F**

Chassis Configuration

Main Chassis ☐ aluminium ☐ carbon **Motor Pod** ☐ aluminium ☐ carbon
Motor Pod ☐ aluminium ☐ carbon
Battery ☐ shorty 1s ☐ shorty 2s **Battery Orientation** ☐ connectors left ☐ connectors right

ESC, Rx, Battery and Transponder Placement:



Rear Ride Height _____ mm **Front Ride Height** _____ mm
Rear Overall Track Width _____ mm **Front Overall Track Width** _____ mm

Front Tyres

Make _____ **Shore** _____ °
Diameter _____ mm

Rear Tyres

Make _____ **Shore** _____ °
Diameter _____ mm

Additive

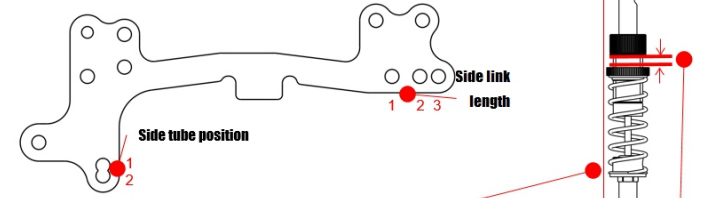
Make _____
Application **Front** **Rear**
Treatment duration _____ min **Treatment duration** _____ min
Treatment area **Treatment area**

Motor

Make _____ **Turns** _____ T **Timing** _____ °
Notes _____

Rear Suspension

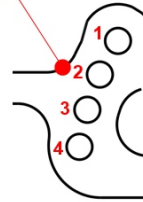
Side Springs **Brand** ☐ CRC ☐ AE ☐ Corally ☐ Xray ☐ _____ **Preload** _____ mm
Rate / Color _____
Spring Type ☐ linear ☐ progressive ☐
Side Tubes **Lube Weight** _____ wt / cst
Lube Brand _____



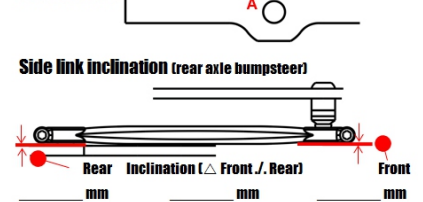
Center Shock **Length** ☐ standard ☐ _____ mm
Spring Brand ☐ Fenix ☐ Tamiya ☐ Corally ☐ Serpent ☐ _____
Rate / Color _____ **Preload** _____ mm

V-Link Setup

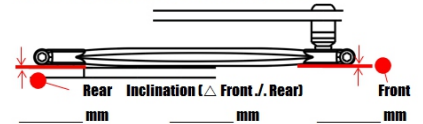
Upper V-Link Position



Lower V-Link Position

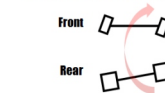


Side link inclination (rear axle bumpsteer)



Positive Inclination (front higher)

negative bumpsteer: the outer wheel goes into a toe-out position, hence generating more steering (a tighter turning radius)

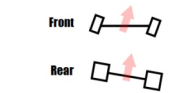


+ increase corner speed under high grip conditions
 + increase mid-corner steering

- loose rear end at corner entry under low grip conditions
 - reduced traction at corner exit

Negative Inclination (rear higher)

positive bumpsteer: the outer wheel goes into a toe-in position and stabilizes the rear end



+ increase traction under low- or medium grip conditions
 + avoid snap-oversteer

- car tends to push at corner entry
 - reduced on-power steering

Rear Axle

Axle **Make** ☐ titanium ☐ graphite
Differential ☐ sphere ☐ gear ☐ spool **Gear Diff Oil** _____ wt / cst
Diff balls ☐ ceramic ☐ carbide ☐ steel
Track Width Spacer **left** _____ mm **right** _____ mm

Ride height spacer _____ mm

Spur **Pitch** ☐ 64dp ☐ 48dp **Rollout** **Pinion** _____ T
Size _____ T **Gear Ratio** _____ : _____
Final Rollout _____ mm

ESC

Make _____ **Mode** ☐ blinky ☐ open ☐ _____
Brake **Strength** _____ % **Brake Frequency** _____ kHz
Auto / Drag Brake _____ % **Initial Brake** ☐ 0% ☐ =DragBrake ☐ _____ %
Brake Curve ☐ linear ☐ _____

Throttle **Punch** _____ **Drive Frequency** _____ kHz
Throttle Curve ☐ linear ☐ _____ ☐ Boost _____ ° ☐ Turbo _____ °

Notes _____