



Driver: Brian Breckenridge Class: Mod (410) Sprint  Flat  Banked Run Line: 90ft  
 Track: The Factory - York, PA Driving Style: Smooth  Surface: Smooth     Bumpy  
 Event: Club Race Aggressive  Traction: High      Low

### Tires

	Brand/Name	Compound	Insert
RF	Ellipse	Green	
LF	Ellipse	Green	
RR	Ellipse	Black	
LR	Ellipse	Black	

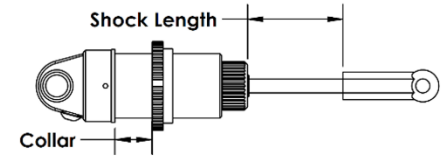
Cleaned With: Water  
 Traction Additive: none at track

Notes: prepped with 4 doses of PB Blaster & 1 of Papa Willy red 4 straight days to soften. Broken in slightly on drill.

### Shocks - Small Bore 12mm Big Bore

	Body Length			Shaft Length			Spring	Oil	Piston	Shock Length	Collar	Spring Cup	
RF	S	M	L	S	M	L	4#	32	1.7	21.5mm	8.58	Std.	Ext.
LF	S	M	L	S	M	L	4#	32	1.7	21.5mm	8.62	Std.	Ext.
RR	S	M	L	S	M	L	6#	35	1.7	21.5mm	8.77	Std.	Ext.
LR	S	M	L	S	M	L	6#	35	1.7	21.5mm	7.48	Std.	Ext.

Measure the length of the exposed shaft with the shock fully extended.  
 Go to lighter oil or larger piston if tires are skidding over bumps in track.  
 Go to heavier oil or smaller piston if tires or car is bouncing.



### Ride Height

LF	18mm	RF	18.5mm
LR	18mm	RR	18.5mm

### Max Chassis Height

LF	25mm	RF	23mm
LR	26mm	RR	26mm

### Corner Weights

LF	14.05	RF	11.90
LR	17.35	RR	16.45

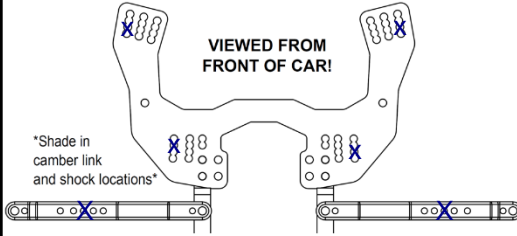
Rear %	57%
Left %	53%
Wedge %	49%

Measured From:  Bottom of Chassis  Top of Chassis

Total Weight: 59.65oz  Measured without wing

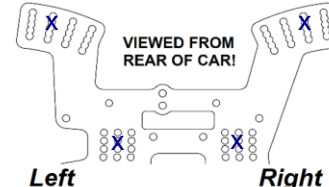
### Front Suspension

OPTIONAL FRONT TOWER #3546



<input checked="" type="checkbox"/> 25° <input type="checkbox"/> 30° <input type="checkbox"/> 35°	<b>Kick-Up</b>	<input type="checkbox"/> 25° <input type="checkbox"/> 30° <input type="checkbox"/> 35°	<b>Toe</b>	<u>1 out</u>
<input checked="" type="checkbox"/> None <input type="checkbox"/>	<b>Sway Bar</b>	<input checked="" type="checkbox"/> None <input type="checkbox"/>	<b>Right</b>	<u>0</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Middle <input type="checkbox"/> Outer	<b>Ackermann</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Middle <input type="checkbox"/> Outer	<b>Left</b>	<u>0</u>
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Trailing	<b>Spindle</b>	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Trailing	<b>Right</b>	<u>none</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Kingpin	<b>Roll Center Shims</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Kingpin	<b>Left</b>	<u>none</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Outer Link Location</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Right</b>	<u>0</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Camber</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Left</b>	<u>0</u>
<input type="checkbox"/> -5 <input type="checkbox"/> +5 <input type="checkbox"/> -10 <input type="checkbox"/> +10	<b>Caster</b>	<input type="checkbox"/> -5 <input type="checkbox"/> +5 <input type="checkbox"/> -10 <input type="checkbox"/> +10	<b>Right</b>	<u>0</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Kick-Up Location</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Left</b>	<u>0</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Kingpin	<b>Outer Link Location</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Kingpin	<b>Right</b>	<u>0</u>

### Rear Suspension



<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Alum <input type="checkbox"/> Gear <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Outdrives / Diff.</b>	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Alum <input type="checkbox"/> Gear <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Left</b>	<u>8 in</u>	<b>Right</b>	<u>3 out</u>
<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<b>Spacers Behind Hub</b>	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<b>Left</b>	<u>0</u>	<b>Right</b>	<u>0</u>
<input checked="" type="checkbox"/> None <input type="checkbox"/> .060 <input type="checkbox"/> .125	<b>Suspension Mount Shims</b>	<input checked="" type="checkbox"/> None <input type="checkbox"/> .060 <input type="checkbox"/> .125	<b>Left</b>	<u>0</u>	<b>Right</b>	<u>0</u>
<input type="checkbox"/> Short <input checked="" type="checkbox"/> Middle <input type="checkbox"/> Long	<b>Suspension Mount</b>	<input type="checkbox"/> Short <input checked="" type="checkbox"/> Middle <input type="checkbox"/> Long	<b>Left</b>	<u>0</u>	<b>Right</b>	<u>0</u>
<input checked="" type="checkbox"/> Upper <input type="checkbox"/> Lower	<b>Hub Pin Location</b>	<input checked="" type="checkbox"/> Upper <input type="checkbox"/> Lower	<b>Left</b>	<u>0</u>	<b>Right</b>	<u>0</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Toe</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Left</b>	<u>8 in</u>	<b>Right</b>	<u>3 out</u>
<input type="checkbox"/> None <input type="checkbox"/> 1.5° <input type="checkbox"/> 3°	<b>Outer Link Location</b>	<input type="checkbox"/> None <input type="checkbox"/> 1.5° <input type="checkbox"/> 3°	<b>Left</b>	<u>8 in</u>	<b>Right</b>	<u>3 out</u>
<input checked="" type="checkbox"/> Inner <input type="checkbox"/> Outer	<b>Anti-Squat</b> See notes	<input checked="" type="checkbox"/> Inner <input type="checkbox"/> Outer	<b>Left</b>	<u>8 in</u>	<b>Right</b>	<u>3 out</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Bottom Shock Hole</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Left</b>	<u>8 in</u>	<b>Right</b>	<u>3 out</u>
<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Hex Offset</b>	<input type="checkbox"/> Inner <input checked="" type="checkbox"/> Outer	<b>Left</b>	<u>7.0</u>	<b>Right</b>	<u>8.0</u>

### Top Wing:

7x7 Flat  7x7 Vortex

**Wickerbill:**  Yes  None

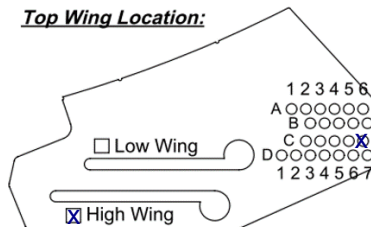
### Front Button:

High  Middle  Low

### Front Wing:

None  Small  Large

### Top Wing Location:



### Electronics

Motor: 8.5 Phantom Speed Control: Tekin RS Pro

Amp Draw: \_\_\_\_\_ Timing/Boost: none

Timing: 25 deg Drag Brake: 20 @ 8kHz

Pinion: 24 Battery: Protek 6400

Spur: 81 Battery Position: F□□□□□R

**Notes:** Track likes soft tires, doesn't really wear tread. Little dusty out of groove so tread on tires helps vs slicks.

Car has - servo mounted in nose, brass LF spindle, laydown transmission. No brass or weight on car other than spindle.

RF droop is limited with droop screw to help car rotate tight corners. 3 deg Pro-Squat shims in rear (thick part at back).

8.5T is too much power - 10.5 or 13.5 would be smoother. Ran a 3.65 lap in main, car was fairly consistent to drive.

Things to try - increase RF shock oil 5 to 10w, longer RF camber link. Move batt forward 1 hole. LF wheel spacer.

\*File steering extenders slightly to make sure the front Ellipse tires don't rub on them\*