OUTLAW 5 SPRINT CAR

Driver: Brian Breckenridge
Track: Ray's Bull Ring
Event: Leftovers 100 lapper

Class: Mod Sprint
Driving Style: Smooth ☒ Aggressive ☐

☐Flat ☒Banked
Run Line: 165ft
Surface: Smooth ☐☐☒☐☐ Bumpy
Traction: High ☐☐☒☐☐☐☐ Low

## Tires

| | Brand/Name | Compound | Insert |
|---|---|---|---|
| RF | Sprinter | Green | |
| LF | Sprinter | Green | |
| RR | Sprinter | Blue | |
| LR | Sprinter | Green | |

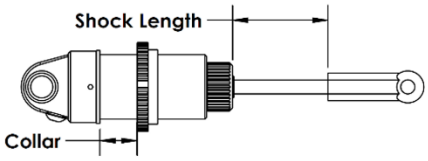
Cleaned With: Water
Traction Additive: PB Blaster

Notes: Tires started about half tread
Some pins were gone after main

## 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 | 6.20 | Std. Ext. |
| LF | S M [L] | S M [L] | 4# | 32 | 1.7 | 21.5mm | 6.10 | Std. Ext. |
| RR | S M [L] | S M [L] | 6# | 35 | 1.7 | 22mm | 9.96 | Std. Ext. |
| LR | S M [L] | S M [L] | 6# | 35 | 1.7 | 22mm | 9.55 | 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 | 15.5mm | RF | 16mm |
| LR | 16mm | RR | 17mm |

## Max Chassis Height

| | | | |
|---|---|---|---|
| LF | 24mm | RF | 25mm |
| LR | 23mm | RR | 24mm |

## Corner Weights

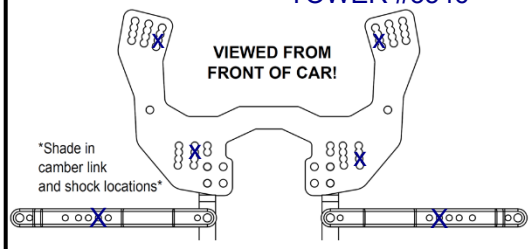
| | | | |
|---|---|---|---|
| LF | 13.80 | RF | 11.60 |
| LR | 17.30 | RR | 17.20 |

| | |
|---|---|
| Rear % | 58% |
| Left % | 52% |
| Wedge % | 48% |

Measured From: ☒Bottom of Chassis ☐Top of Chassis
Total Weight: 59.75oz ☐Measured without wing

## Front Suspension

OPTIONAL FRONT TOWER #3546

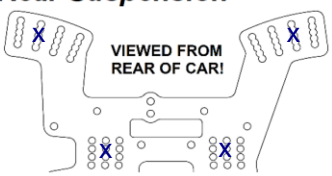



| | |
|---|---|
| Kick-Up | ☐25° ☒30° ☐35° |
| Toe | 1 out |
| Sway Bar | ☒ None ☐ |

| Right | | Left |
|---|---|---|
| 0 | Camber | 0 |
| ☒0 ☐-5 ☐+5 ☐-10 ☐+10 | Caster | ☐0 ☒-5 ☐+5 ☐-10 ☐+10 |
| ☐ Inner ☒ Outer | Kick-Up Location | ☐ Inner ☒ Outer |
| ☐ Inner ☒ Kingpin | Outer Link Location | ☐ Inner ☒ Kingpin |

| Right | | Left |
|---|---|---|
| none | Axle Shims | none |
| ☐ Inner ☒ Middle ☐ Outer | Ackermann | ☐ Inner ☒ Middle ☐ Outer |
| ☒ Standard ☐ Trailing | Spindle | ☒ Standard ☐ Trailing |
| none | Roll Center Shims | none |

## Rear Suspension




Gear Diff Oil-

| | |
|---|---|
| Outdrives / Diff. | ☒ Steel ☐ Alum ☐ Gear |
| Slipper | ☒ Yes ☐ No |

| Left | | Right |
|---|---|---|
| 0 | Camber | -1 |
| ☐0 ☐1 ☒2 ☐3 ☐4 | Spacers Behind Hub | ☐0 ☐1 ☒2 ☐3 ☐4 |
| ☒ None ☐ .060 ☐ .125 | Suspension Mount Shims | ☒ None ☐ .060 ☐ .125 |
| ☐ Short ☒ Middle ☐ Long | Suspension Mount | ☐ Short ☒ Middle ☐ Long |
| ☐ Upper ☒ Lower | Hub Pin Location | ☐ Upper ☒ Lower |

| Left | | Right |
|---|---|---|
| 8 in | Toe | 2 out |
| | Camber Mt. Shims | |
| ☐ Inner ☒ Outer | Outer Link Location | ☐ Inner ☒ Outer |
| ☒ None ☐ 1.5° ☐ 3° | Anti-Squat | ☒ None ☐ 1.5° ☐ 3° |
| ☒ Inner ☐ Outer | Bottom Shock Hole | ☒ Inner ☐ Outer |
| 8.0 | Hex Offset | 8.0 |

## Top Wing:

☐ 7x7 Flat ☒ 7x7 Vortex

**Wickerbill:** ☐ Yes ☐ None

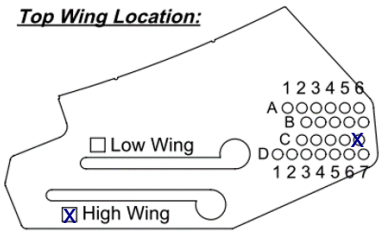
**Front Button:**

☐ High ☒ Middle ☐ Low

**Front Wing:**

☐ None ☐ Small ☒ Large

Top Wing Location:




## Electronics

Motor: 8.5 Fantom
Amp Draw:
Timing: 25 deg
Pinion: 24
Spur: 81

Speed Control: Tekin RSX
Timing/Boost: none
Drag Brake: 10 @ 12kHz
Battery: Protek 6400
Battery Position: F☐☐☒☐☐☐R

**Notes:** Lowered car, changed rear roll centers, took droop out from normal setup. Grip was higher than night races.

Car has - brass LF spindle. No brass or weight on car other than spindle. Fan above motor.

Wanted to try flat top wing but didn't have it with me. Note - longer RF camber link than stock.

Car ran 4.9 in qualifiying and main - the only car to get into the 4s all season. Started 2nd and won. Easy to drive.