# HB D2 Evo

Setup: Ontrack carpet setup · Danny Smith · Jun 12, 2024

so dialed
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| EVENT | |
|---|---|
| Event | Shon Harding State Race |

| TRACK | |
|---|---|
| Track | Ontrack Raceway |
| Type | Indoor carpet |
| Grip / moisture | High/High / Dry/Dry |
| Surface / layout | Smooth/Smooth / Tight/Tight |
| Air temp | 35°F (2°C) |
| Track temp | 40°F (4°C) |

| RESULTS | |
|---|---|
| Race type | Main |
| Finish | 3rd |
| Best lap | 14.1 s |

## FRONT SUSPENSION

| | |
|---|---|
| **ACKERMANN** | |
| Inner steering link shims | 1 mm |
| Steering arms | #5 |
| Anti-roll bar | 1.2mm |
| Arm stiffeners | None |
| Arms | AE waiting on updated HB |
| Axle height: steering block shims | 1.5mm up / 2.5mm down |
| Bump steer: outer steering link shims | 2 mm |
| Camber | -1 degrees |
| **CAMBER LINK** | |
| Inner location | 3 - Outside |
| Inner shims | 1 mm |
| Outer location | 1 - Inside |
| Outer shims | 1 mm |
| Caster | 0 deg - no dot degrees |
| Droop | 70mm shock length mm |
| Hub carriers | Kit |
| Kick-up: arm mount | 27.5 degrees |
| Ride height | 15 mm |
| **SHOCKS** | |
| Arm mounting hole | 3 outside AE |
| Tower mounting hole | 2 - Middle |
| Toe | 0 degrees |
| Tower | Standard |
| **TRACK** | |
| Axle shims - outside | 1 mm |
| Axles | 3mm |
| **WHEELBASE** | |
| Arm shims - F/R | 1 / 1 mm |
| Hub shims - F/R | 0 / 0 mm |

## REAR SUSPENSION

| | |
|---|---|
| Anti-roll bar | 1.5mm |
| Anti-squat | 1 degrees |
| Arm length: arm inserts | Mid-short - 1 dot out |
| Arm stiffeners | Carbon |
| Arms | Standard |
| Axle height: hub inserts | High - 2 dots up |
| C mount inserts | Center |
| Camber | -2 degrees |
| **CAMBER LINK** | |
| Inner location | 1 - Inside |
| Inner mount shims | 0 mm |
| Inner shims | 1 mm |
| Inner stud location | 1 - Inside |
| Outer location | 2 - Middle |
| Outer mount shims | 2 mm |
| Outer shims | 1 mm |
| D mount inserts | Center |
| Differential height | AE aluminum 3up, 0 down |
| Droop | 87mm shock length mm |
| Ride height | 15 mm |
| **SHOCKS** | |
| Arm mount shims | 0 mm |
| Arm mounting hole | 1 - Inside |
| Tower mounting hole | 3 - MId-out |
| Toe | 3 degrees |
| Tower | Standard |
| Track: wheel hexes | 5mm 2 clutch shims under hub |
| **WHEELBASE** | |
| Arm shims - F/R | 2 / 1 mm |
| Hub shims - F/R | 2 / 2 |

## TIRES

| | FRONT | REAR |
|---|---|---|
| Tire brand / type | JC/smoothies | JC/smoothies |
| Tire compound | Silver | Silver |
| Tire inserts | Stock | Stock |
| Wheel brand / type | JC | JC |
| Tire prep | SXT 3.0 sauce.apply and clean right after each run, then apply 10minutes before run. Wipe off 90% 3 minutes before run | |

**NOTES** Glue entire front sidewall

## SHOCKS

| | FRONT | REAR |
|---|---|---|
| Limiters - int/ext | 6mm / 0 mm | 0 / 0 mm |
| Oil weight | 42.5 wt | 42.5 wt |
| Pistons | 2 x 1.6mm | 2 x 1.7mm |
| Shock length | 70 mm | 87 mm |
| Shock type | Emulsion | Emulsion |
| Springs | 75gF | 45gF |
| Shock oil brand | XTR | |

**NOTES** AE lower spring cups and +0 shock ends fir lower ride height

## DRIVETRAIN

| | |
|---|---|
| Differential fluid | 7,000 cst |
| Differential fluid brand | XTR |
| Differential mass | ? g |
| Differential type | 2-Gear |
| Drive ratio - final | Stock |
| Drive ratio - internal | 2.6 |
| Drive type | Slipper |
| Driveshaft length | Medium |
| Driveshafts | CVD |
| Slipper clutch pads | Kit |
| Slipper clutch tightness | 4.8 mm |
| Spur | 70 teeth |

## BODY & CHASSIS

| | FRONT | REAR |
|---|---|---|
| Wing | No | Stock JC |
| Battery position | | Moved forward +.25" |
| Body | | JC P2 |
| Chassis | | Kit |
| Rear wing height | | Low |
| Screws & turnbuckles | | Stock |
| Weights | | None |

## ELECTRONICS

| | |
|---|---|
| Battery brand | **Performa** |
| Battery capacity | **4400 mAh** |
| Battery model | **PR9374** |
| ESC brand | **Hobbywing** |
| ESC model | **XR10 Pro** |
| ESC settings | **Stock blinky** |
| Motor brand | **Hobbywing** |
| Motor Kv constant | **17.5 Kv** |
| Motor model | **V10 g4 17.5t** |
| Motor timing | **0 degrees** |
| Radio brand | **Sanwa/Airtronics** |
| Radio EPA steering | **100 %** |
| Radio EPA throttle | **100 %** |
| Radio model | **M12s** |
| Receiver brand | **Sanwa/Airtronics** |
| Receiver model | **RX482** |
| Servo brand | **SRT** |
| Servo model | **BH815s** |
| Transponder ID | **9515242** |

**NOTES** Charged as non HV

**NOTES** Changed radio feeling to 2s

## ESC SETTINGS

**NOTES** All stock