# Mugen MBX8 ECO Team Edition

Setup: Outdoor Low Grip · Wes Miravalle (Mugen Seiki) · Jun 18, 2022

so dialed
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## EVENT

| | |
|---|---|
| Event | Club Racing 2022 Season |
| Class | Expert E-Buggy |

## TRACK

| | |
|---|---|
| Track | St. Louis Dirtburners |
| Type | Outdoor loose/loamy |
| Grip / moisture | Low / Dusty/Wet |
| Surface / layout | Blown-out/Bumpy / Medium |
| Air temp | 95°F (35°C) |
| Track temp | 110°F (43°C) |

## RESULTS

| | |
|---|---|
| Race type | Practice |
| Finish | 7th |

## FRONT SUSPENSION

| | |
|---|---|
| Anti-roll bar | 2.3mm |
| Camber | -0.5 degrees |
| Droop (shock length) | 104.5 mm |
| FF (A) mount inserts | Middle |
| FR (B) mount inserts | Middle |
| Hub carrier | 0 trail |
| **LOWER ARM** | |
| Pillow ball spacers | 1.0 mm |
| Pillow balls | Kit |
| Stiffeners | None |
| Ride height | 25 mm |
| **SHOCKS** | |
| Arm mounting hole | B - Outside |
| Arm pivot ball orientation | Front |
| Tower mounting hole | 2 |
| Steering block arm | -3mm |
| Steering link: inner stud location | 4 |
| Steering plate - upper | Plastic |
| Toe | +1 degrees |
| Tower | Aluminum |
| Track: wheel hexes | +2mm |
| Upper arm spacers (caster) | Front 2mm / rear 2mm |
| **UPPER ARM** | |
| Mount inserts - front | Bottom |
| Mount inserts - rear | Bottom |
| Pillow ball spacers | 1.0 mm |
| Pillow balls | Kit |
| Wheelbase: lower arm spacers | 1 mm |

**NOTES** 8R LW arms
8R shock tower
8R upper B pivot

## REAR SUSPENSION

| | |
|---|---|
| Anti-roll bar | 2.4mm |
| Arm stiffeners | None |
| Axle height: hub pin hole | Low (high pin) |
| Camber | -2 degrees |
| **CAMBER LINK** | |
| Inner stud location | 2 - Inside middle |
| Outer stud location | C - Outside |
| Droop (shock length) | 114.5 mm |
| Hubs | Plastic |
| RF (C) mount inserts | Bottom |
| RF (C) mounts | 0mm |
| Ride height | 26 mm |
| RR (D) mount inserts | Bottom middle |
| **SHOCKS** | |
| Arm mounting hole | A - Inside |
| Arm pivot ball orientation | Front |
| Tower mounting hole | 3 |
| Toe | -2.5 degrees |
| Tower | Aluminum high wing |
| Track: wheel hexes | +1mm |
| **WHEELBASE** | |
| Arm spacers | 1 mm |
| Hub spacers | Front 4mm / rear 1mm |

**NOTES** 8R LW arms and pivots
8R hubs
8R 0* hub plates
8R 2.4mm sway bar

## BODY & CHASSIS

| | |
|---|---|
| Body | Proline Axis |
| Chassis brace - front | Short |
| Chassis brace - rear | Kit |
| Rear wing | JC F2i |
| Rear wing height | 4 - Top |
| Rear wing mount | +15mm |
| Rear wing position | Middle |
| Weight balance (F/R) | 51 / 49 |
| Weight: total | 3493 g |

**NOTES** 8R wing mount, no insert
Center diff cover dremeled out
8R sway bar stops

## SHOCKS

| | FRONT | REAR |
|---|---|---|
| Oil weight | 600 cst | 450 cst |
| Pistons | 6 x 1.3mm, Blue Flap | 6 x 1.3mm, Clear Flap |
| Rebound | 0 % | 0 % |
| Springs | 70mm 1.6mm x 9.25T | 86mm 1.6mm x 10.5T |
| Stroke | 33 mm | 40 mm |
| Shock oil brand | Flash Point | |

**NOTES** MIP pistons
Cut rear eyelets 3mm

## DIFFERENTIALS

| | FRONT | REAR |
|---|---|---|
| Diff fluid | 10,000 cst | 7,000 cst |
| Diff ring/pinion | 44/13 teeth | 44/13 teeth |
| Diff type | High traction | High traction |
| Center diff fluid | 7,000 cst | |
| Center diff type | High traction 46T | |
| Diff fluid brand | Flash Point | |

**NOTES** Aluminum Cross Pins
8R Sun Gears

## DRIVETRAIN

| | |
|---|---|
| Center shafts | Low friction CVD (#E2261, #E2262) |
| Driveshafts - front | CVD |
| Driveshafts - rear | CVD |
| Pinion | 17 teeth |
| Spur | 46 teeth |

## TIRES

| | FRONT | REAR |
|---|---|---|
| Tire brand / type | AKA Impact | AKA Impact |
| Tire compound | SSLW | SSLW |
| Tire insert | Closed-cell | Closed-cell |
| Wheel brand / type | AKA | AKA |

## ELECTRONICS

| | |
|---|---|
| Battery brand | **Send It RC** |
| Battery C rating | **130** |
| Battery capacity | **6500 mAh** |
| Battery model | **LCG** |
| ESC brand | **Hobbywing** |
| ESC model | **XR8 Pro** |
| Motor brand | **Spektrum** |
| Motor Kv constant | **1900 Kv** |
| Motor model | **Spektrum** |
| Radio brand | **Futaba** |
| Radio EPA steering | **120 %** |
| Radio EPA throttle | **100 %** |
| Radio model | **7PXR** |
| Receiver brand | **Futaba** |
| Receiver model | **R304SB-E** |
| Steering servo brand | **Send-It R/C** |
| Steering servo model | **HV626** |
| Transponder ID | **7395227** |

**NOTES** Steering D/R 81%
Steering Expo -50%
Throttle Expo -40%