# Mugen MTC2

Setup: Setup R2 New Hot Race tires · Jul 17, 2023

so dialed
Open/save in RC Setup App →

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| EVENT | |
|---|---|
| Event | 4th race 2023 |

| TRACK | |
|---|---|
| Track | R2 |
| Type | Outdoor asphalt |
| Grip / moisture | Medium / Dusty |
| Surface / layout | Medium / Medium |
| Air temp | 20°C (68°F) |
| Track temp | 37.5°C (100°F) |

## FRONT SUSPENSION

| | |
|---|---|
| Anti-roll bar | 1.1mm (#A2153/11) |
| Axle height: upright spacers - up/down | 2 / 0.5 mm |
| Camber | -1 degrees |
| Caster | 5 degrees |
| Downstop | 6 mm |
| Lower arm FF spacers | 1.0 mm |
| Lower arm FR spacers | 1.0 mm |
| Lower arms | Kit |
| Ride height | 5.2 mm |
| Servo horn length | 18.5 mm |
| Servo horn shims | 3 mm |
| Shock tower | Standard |
| **SHOCKS** | |
| Arm mount location | A - Inside |
| Upper mount spacers | 2.0 mm |
| Steering angle - in/out | - / - degrees |
| Steering arms | Kit |
| **STEERING LINK** | |
| Inner stud spacers | 2.0 mm |
| Outer stud location | A - Back |
| Outer stud spacers | 3.0 mm |
| Steering: Ackermann shims | 2.0 mm |
| Toe | -1 degrees |
| Track: wheel hexes | +4mm |
| Upper arm FF spacers | 1.5 mm |
| Upper arm FR spacers | 1.5 mm |
| Upper arms | Kit (#A2148A/B) |

## ELECTRONICS

| | |
|---|---|
| Battery brand | Absima |
| Battery C rating | 140 C |
| Battery capacity | 5900 mAh |
| ESC brand | Hobbywing |
| ESC model | Xr10 pro g2s |
| ESC settings | Blinky |
| Motor brand | Hobbywing |
| Motor model | 13.5 just stock |
| Motor timing | 0 degrees |
| Motor wind | 13.5 turns |
| Radio brand | Sanwa/Airtronics |
| Radio model | M17 |
| Receiver brand | Sanwa/Airtronics |
| Receiver model | 493i |
| Steering servo brand | Highest |
| Steering servo model | BLB650 |

**NOTES** 10 A

## REAR SUSPENSION

| | |
|---|---|
| Anti-roll bar | 1.1mm (#A2153/11) |
| Axle height: upright spacers - up/down | 2 / 1 mm |
| Camber | -1.5 degrees |
| Caster | -4 degrees |
| Downstop | 5 mm |
| Lower arm RF spacers | 2.0 mm |
| Lower arm RR spacers | 2.0 mm |
| Lower arms | Kit |
| Ride height | 5.4 mm |
| Shock tower | Standard |
| **SHOCKS** | |
| Arm mount location | A - Inside |
| Upper mount spacers | 2.0 mm |
| Toe | 3 degrees |
| **TOE LINK** | |
| Outer stud location | B - Back |
| Outer stud spacers | 2.0 mm |
| Track: wheel hexes | +4.5mm |
| Upper arm RF spacers | 2.0 mm |
| Upper arm RR spacers | 2.0 mm |
| Upper arms | Kit (#A2148A/B) |

## BODY & CHASSIS

| | |
|---|---|
| Battery position | Rear |
| Body | Speciale |
| Body height: front | 8 mm |
| Body to chassis distance | 6 mm |
| Chassis | Graphite |
| Flex plate screws | 1 - Front, 2, 3, 4 - Sides |
| Motor mount screws | 1 - Front, 2, 3, 4, 5 |
| Rear wing position | +0mm |
| Upper deck | 2mm |
| Upper deck screws | 1 - Front, 2, 3, 4, 5 |
| Weight balance (F/R) | 50 / 50 |

## SHOCKS

| | FRONT | REAR |
|---|---|---|
| Oil weight | 500 cst | 450 cst |
| Pistons | 4 x 1.3mm | 4 x 1.3mm |
| Rebound | 25 % | 25 % |
| Springs | 6.75T soft | 6.5T medium-soft |
| Stroke | 10 mm | 10 mm |
| Shock oil brand | Mugen Seiki | |

## DIFFERENTIALS

| | FRONT | REAR |
|---|---|---|
| Diff fluid | – | 7,000 cst |
| Diff fluid brand | Mugen | |
| Front diff type | Solid axle | |
| Rear diff oil mass | 1.6 g | |

## DRIVETRAIN

| | |
|---|---|
| Drive ratio - internal | 1.9 |
| Driveshafts - front | Universal |
| Driveshafts - rear | CV |
| Gear pitch | 48 |
| Pinion | 47 teeth |
| Spur | 100 teeth |

## TIRES

| | FRONT | REAR |
|---|---|---|
| Tire additive | Gripper yellow | Gripper yellow |
| Tire additive area | In, Mid-in, Mid-out, Out | In, Mid-in, Mid-out, Out |
| Tire brand / type | Hot Race new type 11/6 | Hot Race new type 11/6 |
| Tire compound | 36 | 36 |
| Tire insert | Stock | Stock |
| Wheel brand / type | Hot Race | Hot Race |