# Tamiya M-07 Concept

Setup: M07 Setup · Daenesh Kumar · Oct 28, 2021

so dialed
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| TRACK | |
|---|---|
| Track | Railway Track |
| Type | Outdoor asphalt |
| Grip / moisture | Medium / Dry |
| Surface / layout | Medium / Medium |
| Air temp | 32.5°C (91°F) |
| Track temp | 35°C (95°F) |

## FRONT SUSPENSION

| | |
|---|---|
| Ackermann: inner steering spacers | 2 mm |
| Anti-roll bar | Medium stiffness |
| Arms | Kit |
| Bumpsteer: outer steering spacers | 1 mm |
| Camber | -1 degrees |
| **CAMBER LINKS** | |
| Inner stud spacers | 0 mm |
| Outer stud spacers | 1 mm |
| Caster: front suspension mount | 0 degree Alum |
| Droop | 1 mm |
| Hub carriers | Reinforced |
| Ride height | 5 mm |
| Shocks: tower mounting hole | Opt Tower: 3 - Mid-out |
| Steering blocks | Reinforced |
| Steering bridge | Aluminum |
| Steering crank arms | Aluminum |
| Toe | -1 degrees |
| Tower | Aluminium |
| **TRACK** | |
| Axle shims - inside/outside | 0.2/ 0.2 mm |
| Wheel hexes | 6mm Aluminum |

## ELECTRONICS

| | |
|---|---|
| Battery brand | Sunpadow |
| Battery C rating | 130 |
| Battery capacity | 6300 mAh |
| Battery model | Sunpadow ERC standard pack |
| ESC brand | Orca |
| ESC model | VX-1 |
| ESC settings | Default |
| Motor brand | Orca |
| Motor Kv constant | 2500 Kv |
| Motor model | RX-2 |
| Motor timing | 35 degrees |
| Motor wind | 17.5 turns |
| Radio brand | FlySky |
| Radio EPA steering | 70 % |
| Radio EPA throttle | 120 % |
| Radio model | FS-GT3B |
| Receiver brand | FlySky |
| Steering servo brand | Yeah Racing |
| Steering servo model | HackGear |

## REAR SUSPENSION

| | |
|---|---|
| Anti-roll bar | Soft red |
| Arms | Carbon-reinforced |
| Camber | -1.5 degrees |
| **CAMBER LINKS** | |
| Inner stud spacers | 0 mm |
| Outer stud spacers | 0 mm |
| Droop | 1.5 mm |
| Ride height | 5.5 mm |
| Shocks: tower mounting hole | 2- Outside |
| Toe: suspension mount shims | 3.8 degrees (2 washers) |
| Tower | Aluminium |
| **TRACK** | |
| Wheel hexes | 6mm Aluminum |
| Wheel shims | 0.5 mm |
| Uprights | Reinforced |
| Wheelbase: arm spacers - F/R | 0 / 2 mm |

## BODY & CHASSIS

| | |
|---|---|
| Battery position | Farther forward |
| Body | Tamiya Fiat 500 |
| Body to bumper distance | 2 mm |
| Bumper | Kit |
| Bumper support | Plastic |
| Flex: chassis | Kit |
| Rear wing | No |
| Weight balance - F/R | 55 / 45 |
| Weight: total | 1150 g |
| Wheelbase: chassis layout | 225mm Medium |

## SHOCKS

| | FRONT | REAR |
|---|---|---|
| Oil weight | 400 cst | 700 cst |
| Pistons | 3-hole | 4-hole |
| Rebound | 25 % | 25 % |
| Shock length | 57.5 mm | 57.5 mm |
| Shock type | M-Chassis Aluminum | M-Chassis Aluminum |
| Springs | Black-Yellow | Black-Red |
| Stroke | 10 mm | 10 mm |
| Front shafts | 26 mm | |
| Shock oil brand | Hudy | |

## DRIVETRAIN

| | |
|---|---|
| Diff fluid | 100,000 cst |
| Diff type | Ball - 52T |
| Drive ratio - final | 6.776 |
| Drive ratio - internal | 3.1221 |
| Driveshafts | CVD |
| Pinion | 22 teeth |
| Spur | 37 teeth |

## TIRES

| | FRONT | REAR |
|---|---|---|
| Tire brand / type | DS Racing | DS Racing |
| Tire compound | Medium | Soft |
| Tire glue diameter | 60 mm | 60 mm |
| Tire insert | Closed cell foam | Closed Cell Foam |
| Wheel brand / type | DS Racing | DS Racing |
| Tire additive - F/R | Trinity White Dot Traction | |