

## BONZAI MINI MODS 2023 RULES

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### Series Rules & Regulation

\*Interpretation of Bonzai Mini Mods Series (BMMS) Rules will be at the discretion of technical inspection (track or Series). All decision by track and / or Series officials will be final. **If the rules do not state you can do something assume that you CANNOT.**

\*Officials have the right to check anything on any car at any time

\*Officials have the right to amend any rule at any time for the betterment of the series.

\*The safety recommendations in the rule book are provided as a minimum recommendations, in line with industry standers. They should be used in addition to the requirements put in place by your local track. Drivers are responsible for the race worthiness of their equipment and should inspect ALL equipment prior to any outing. Drivers should always use the highest quality in date safety equipment as defined by SFI, FIA, SNELL or other recognized safety certification organization.

### Age

6-14

### Tires

\*RF, LF, LR, RR must be 4 ply or 2 ply ribbed flat profile tire

\*RF, LF, LR, RR tires must be 16-650 x 8

\*Width 6.4"

\*Diameter 16.4" max tire split 1 ½"

\*No grove and sipe tires in any pattern.

\*No deepening grooves.

### Wheels

\*RF, LF, LR, RR must be steel 8" diameter x 5 3/8" width ( if there is an availability problem we will address the option of a 7" wheel).

\*No plastic, carbon fiber or aluminum wheels

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\*4" x 4" bolt pattern only

### Hubs

\*Steel front hubs Only.

\*Rear hubs may be aluminum but must be factory BMMS approved

\*Minimum  $\frac{3}{4}$  front bearing size

### Spindles

\*Steel spindles ONLY

\*Must be manufactured by BMMS

### Steering

\*No rack and pinion

\*Steering column must be manufactured by BMMS

\*All heims must be non grease-able standard steel. No low tolerance or aluminum

### Fuel Cell and Fuel

( Fuel will be checked randomly for Octane )

\*Pump fuel must be 91 octane or less

\*No E85 fuel allowed

\*No race fuel

\*No additives

\*No methanol

\*NO aftermarket fuel pumps

\*Gas tanks may be relocated to rear of car as long as it is within the rear clip

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### Gear, Clutch and Jackshaft

- \*Must be 1600 series and engage at 2050 rpm
- \*No high performance after market race clutch (NO tampering with springs or clutch engagement)
- \*Clutch maybe a 13 or 14 tooth sprocket only
- \*jackshaft may run 12-17 sprockets in any configuration
- \*Axle gear can be max 67 tooth
- \*Max gear ratio for all tracks 601.3
- \*Chain must be 40 chain (nickel or roller bearing recommended)
- \*No #35 chain No 520 chain NO exceptions

### Brakes

- \*One rear brake
- \*No front brakes
- \*8" max diameter of brake disc, 3/16" min thickness
- \*Hydraulic brakes only

### Bird Cages

- \*Bird cages bearings must be steel
- \*Maximum of 2
- \*Must be BMMS OEM factory part #
- \*No lightweight or low friction
- \*All rear swing arms must be manufactured by BMMS
- \*Must meet BMMS specs

## Engine

- \*All engines must be max 420cc. part # 60340 or 60339
- \*Engine must be mounted in factory location
- \*Carburetor must be stock or Honda part #BE85QA only. Air filter can be no more than 6 ½" max long and 3 ½" max diameter with BMMS approval
- \*Standard jets must be used NO drilling out no adjustable jets
- \*No off set crank key way to advance or retard timing
- \*No after market cranks, rods, pistons, valve springs, push rods or rocker arms
- \*No light weight flywheels
- \*NO porting polishing or decking heads
- \*No stage kits allowed
- \*Pull string must remain attached and working
- \*Governor has to be attached in working order but can be wired directly open
- \*STOCK MEANS STOCK. Lets not push the rules. Lets keep it affordable and competitive
- \*Engines will be subject to inspection at any time
- \*Exhaust must be steel 1 ¼" maximum OD, wall thickness .065 maximum .083, minimum length 14" maximum 24"
- \*No reduction or increase in pipe size
- \*No mufflers or baffles allowed
- \*The 1<sup>st</sup>, 2<sup>nd</sup> 3<sup>rd</sup> place cars will be eligible to a Cash NO check or credit card \$650. Engine claim. Claimer must finish the A main to claim engine. There will be 5 minutes to claim an engine. The owner of the claimed engine has the right to accept the \$650. Cash for claimed engine or accept a \$250 cash engine swap. The claimed engine does not include and will be removed clutch, carburetor, air filter, oil breather and exhaust.
- \*All engines will be pulled at the garage at 176 Speedway and all other tracks will be pulled at a suitable location and will be discussed at pit meeting. The team being claimed is responsible for getting the engine out in a timely manner. This will take place with only the 2 teams involved and the tech official.

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\*No sale or refusal will result in the owner and driver being suspended for the year and losing all accumulated points.

#### TOP 3 CARS TO TECH EVERY WEEK AFTER MAIN EVENT

#### Wheel Base and Tread Width

\*Min 58" Max 60"

\*Max overall length of car 110"

\*Front and rear track width measured from outside to outside of tire Min 48 ½" Max 51 ½"

#### Front and Rear Axle

\*All front axles must be manufactured by BMMS

\*Shocks must be mounted in factory location No Altering

\*Rear axle must be steel 44" minimum wall thickness .190. No more than 13 ½" RR offset 10" min (measured from edge of the outer bearing to RR hub) NO bird cage spacers

#### Shocks and Springs

\*All shocks must meet BMMS specs

\*No valving of shocks

\*No Bumps stop

\*No oil shocks

\*Only 3 coil over shocks per car

\*Shocks length min 11" max 12 5/8"

\*May change shock end to ½" bolt size

#### Body

\*Body style and design must meet BMMS specs

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\*Maximum deck panel width 48 ½". Maximum length of car 110"-Car and body MUST fit in a hypothetical box of 48 ½" wide x 110" long Maximum 47" tall measured from ground to highest spot at rear of roof

\*Maximum roof size 33" wide x36" long. Roof sides max ¾" wicker bill

\*Max interior rake 5" front to rear

\*Rear spoilers optional 5" max 3 - 14 x 6" side boards max must resemble templet . Hood sides max 6" width. With top hood sides not sticking up more then 5"

\*window opening minimum 13" door to roof measured at center

\*Must have engine cover between engine and driver

\*LR, RR inner quarter panel/tire deflection bar, highly recommended and must be manufactured by BMMS

\*Must have car number clearly displayed on each side of car and on roof. Minimum size 13"

### Chassis

\*Must be manufactured by BMMS and have a chassis number

\*Standard front and rear bumper design manufactured by BMMS

### Weight

\*Minimum weight 370lbs without driver. If weight becomes a problem we will weigh every driver and decide a new minimum with driver weight

\*Any added led must be painted white and have car number on it. Added led must be bolted though a welded tab with minimum of 3/8" bolt with fender washers and lock nuts mounted within the bottom perimeter of the seat.DO NOT BOLT LEAD TO FLOOR PAN! Must pass inspection.

### Miscellaneous

\*Race receivers are mandatory. Must work and be in drivers ear. They will be TESTED AND TESTED AND RETESTED and MUST be worn in hot laps, heat races and Mains.

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\*No aluminum, titanium or hollow bolts

\*No lightening, drilling out of any parts or components. Must remain OEM

### Safety

\*Please consult your local track for specific requirement in addition to the detailed items below.

\*all cars and safety equipment must be inspected and receive safety sticker

\*each car must be equipped with a seat designed specifically for race use. A full containment seat is HIGHLY RECOMMEND.

\*Neck braces are mandatory. Hans, helmet restraint systems are HIGHLY RECOMMENDED

\*Mandatory 5 Point seat belt are to be properly mounted and must meet safety inspection

\*Arm restraints or window nets are mandatory.

\*Full face helmet required. Must fit properly and pass inspection

\*Fireproof suit mandatory must meet safety inspection

\*approved shoes and gloves are required and must meet safety inspection

### Points System

\*Pills will be pulled for start position in heat race

\*Points for feature will be 1<sup>st</sup>-40pts, 2<sup>nd</sup>-38pts, 3<sup>rd</sup>-37pts, 4<sup>th</sup>-36pts....etc. Any car that takes the green in the feature will get 10 pts

### Qualifying and race procedures

\*Will remain the same as the 2022 season 8 cars will transfer from the heats 4 cars will transfer from the B main

\*All drivers need to line up and stay lined up in a timely manner and using receivers.

\*Qualifying and race procedures will be determined by BMMS and track officials

\*Number of laps will be determined before each race by track officials





