

## **2023 RUMBLE in FORT WAYNE WINGED 600 MIDGET SPECIFICATIONS** (effective 11/12/22)

The following specifications have been prepared by Rumble Racing LLC (known as Rumble Racing Series) as a guideline for the construction of a Winged 600 Midget for the Rumble in Fort Wayne. No express or implied warranty of safety shall result from publication of, or compliance with, these rules. They are intended as a guide, and are in no way a guarantee against injury, or death, to participants, spectators, and/or others.

All cars will be inspected before qualifying. If you do not go through tech before qualifying, you will start TAIL in every event you are scheduled to compete in. Cars not meeting one or more of the specifications will not be permitted to compete until required changes for compliance are met.

### **1. AGE:**

- a. The minimum age for competition in this division is 12 years old as of **December 28, 2023**. Certified copy of birth certificate and/or valid driver license may be requested from Rumble officials for proof of age of any driver.

### **2. CLASS LIMIT:**

- a. A car may only be entered into one class for competition at the Rumble in Ft. Wayne. Teams wishing to enter more than one class of Midget racing must have a separate car for each entry.

### **3. ROLL CAGE:**

- a. Roll cages shall be constructed of chrome moly (or equivalent) material and must be of at least 1" x 0.062", 1-1/8" x 0.065 or 1-1/4" x 0.065" wall thickness.
- b. The front section of the cage shall be no further back than the steering wheel.
- c. Roll cage shall have sufficient fore and aft bracing and strength to support the weight of the car and driver in case of an upset.
- d. Roll cage shall have gussets at the intersecting bars to the uprights.
- e. Bends must have at least 3" radius. No square or pointed corners allowed.
- f. Roll cage must be a minimum of 3" above the driver's helmet when driver is sitting in racing position.
- g. It is mandatory to install a cross brace behind the seat to support the shoulder harness.

### **4. BUMPERS AND NERF BARS:**

- a. All cars must run nerf bars. Nerf bars, or anything else, cannot extend beyond the outside edge of the tires.
- b. A straight edge will be placed along the outside of the tires, if it hits the nerf bar, it's not legal.
- c. shall be item 4-d as explained below.
- d. Light aluminum vertical placards are allowed on the nerf bar for ADVERTISING purposes. ADVERTISING panels must be made of aluminum, and no more than .060" thick.
- e. Bumpers, front, and rear cannot stick out past the main frame rails. If they do, car will not be able to compete.
- f. Solid, or otherwise modified, bumpers or nerf bars with the purpose of weight distribution are not allowed. Maximum OD 1.125" and 0.125" wall thickness.
- g. **Bumpers and nerf bars shall be able to be taken off easily for inspection at any time.**

### **5. ELECTRIC AND ELECTRONICS:**

- a. On and off switches must be on dash, top of the cowl or on steering wheel and must be connected and functional.
- b. All switches are to be clearly marked **on/off** for easy identification by safety personnel.
- c. No radio communication is allowed between the driver **to or between** any other outside source.

### **6. FUEL:**

- a. All cars must run event approved fuel. Additives or enhancements are not permitted and use of them is subject to disqualification.
- b. Fuel will be available for purchase at the event, or you may bring your own fuel (**all fuel must be stored outside of the building**)
- c. All fuel tanks must be equipped with a one-way check valve designed to prevent spillage of fuel in the event of an upset.

### **7. WEIGHT:**

- a. The minimum weight of the entered car shall be 800 pounds as measured on the Rumble Racing Series scale at any time.
- b. Added weight must be **securely** bolted on and inside the main frame rails of the chassis, NOT ON NERF BARS.

- c. Added weight may be **securely bolted** underneath the motor between frame rails, but not attached to the nerf bars.
- d. **All added weight must be painted white and MUST have the car number marked on the weight.**

**8. ENGINE RULES:**

- a. Maximum of 640cc engines only – subject to checking.
- b. Operable mufflers are required.
- c. Radiators must be inside the confines of the chassis – **functional** catch cans are mandatory.

**9. SUSPENSION AND MEASUREMENTS:**

- a. The maximum tread width shall be 65” as measured outside to outside, front and rear.
- b. The wheelbase, as measured center of front axle to center of rear axle is 70” maximum and 50” minimum.
- c. No cockpit adjusters of any kind – brake, wing, shock, panhard bar, etc.
- d. **Front axles are mandatory, no independent front suspension of any kind.**
- e. Power steering is permitted.
- f. All suspension bolts except wheel nuts must be secured by some type of locking device.
- g. Only one sway bar, either front or rear.

**10. BRAKES:**

- a. Brake locations are limited to LF, RF and rear axle brake - maximum of 3.

**11. TIRES AND WHEELS:**

- a. Dirt tires only – 10”.
- b. Front rim and tire width shall be minimum 6” and maximum 8”. Rear tires must be 10” dirt tires (racing rubber only) and in any combination of rim widths.
- c. Air bleeders are allowed.
- d. Wheels must be held on with 4 or more standard lug nuts or knock-off hubs.
- e. Tire soaking is prohibited, and steps may be taken to check for soaking. Any violating tires may be disqualified, and the team will be subject to disqualification. **No wet grinding tires, no washing tires.**

**12. WINGS:**

- a. Top wing minimum is 9.5 sq. ft. – no maximum – as long as it does not extend beyond the outside edge of the tires.
- b. Sideboard minimum is 20” left side, 18” right side and must stick out past the center section.
- c. Wing must be high enough to allow driver to see out of the side of the car.
- d. Wing must be stationary.

**13. SAFETY NOTES:**

- a. An operable fire extinguisher is mandated for every race team’s pit area.
- b. Diapers, capable of holding spilled liquid contents, must be safely secured under the engine and fuel tank.

**14. NUMBERS:**

- a. All cars must have legible numbers in colors contrasting to the background color, on both sides of the car and on the nose.
- b. Numbers on the nose are to be 8” minimum; numbers on the tail are to 10” minimum and must be separated from any advertising so that they stand out and are readable to the scorers, officials, and the race fans.

The Rumble Racing Series reserves the right to change, delete or add to the specifications – with proper notice to all competitors – throughout the event as necessary to assure competitive and safe racing. The officials reserve the right of interpretation of all specifications and reserve the right to inspect and/or reject any car and/or driver, crew member, etc. during the racing program.

The event racing format may be altered due to car count; at the discretion of Rumble Racing, LLC; however, all changes would be announced at the driver meeting and posted in the pit area.

**NOTICE:** Through diligent discretion, promoter reserves the right to refuse any entry and reserves the right to refuse admission entry into the restricted pit area.

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