

# Mid Missouri Modified Midget Racing Association

## "600 Sportsman" Class Rules

### --2024--



#### GENERAL:

- a.) 1998 & older 600 cc engine or STOCK Honda F4/F4i - carburetors only (Rule #19)
- b.) Age 12 and up
- c.) 790 lb. Minimum Weight (Rule #8)
- d.) No adjustments of any type from the cockpit to the chassis.
- e.) Turf Tires - Tire Prep/Dope is NOT allowed (Rule #12)
- f.) 10 sq. ft. Top Wing, NO NOSE WINGS (Rule #15)
- g.) Fuel Bladders NOT Required, but STRONGLY RECOMMENDED!

1. **Age.** Drivers age 12 and up may compete in the "Sportsman" Class.

2. **Roll cage.** Roll cages shall be at least 1 inch .062 wall thickness. CARS WITH 1" OD ROLL CAGE MUST BE DOWNTUBE DESIGN. .065 wall thickness allowed on tubing 1 1/8 inch diameter or larger. Roll cage shall be made of chromoly steel or equivalent material. The front section of the cage shall be no further back than the steering wheel. Roll cage shall have sufficient fore and aft bracing and strength to support the weight of the car & driver in case of an upset. Cage shall have gussets at the intersecting bars to the uprights. Bends must have at least 3 inch radius. No square or pointed corners allowed. Roll cage must be a minimum of 3" above the drivers helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.

3. **Bumpers and Nerfs.** Car must have bumpers extending beyond the front and rear tires. Nothing may extend beyond a tangent line from the outside edge of the tires to the bumpers. Nothing may extend beyond the outside edge of the tires or wheels, whichever is the widest. No sharp corners or design as to hook or damage. All cars must be equipped with nerfing bars. Nerfing bars must extend to inside edge of tires, but not more than 1 inch beyond the outside of the rear tires.

4. **Safety.** Seat belts must be securely attached to the car and used at all times. Metal to metal latches only. 5 point seat belts, shoulder harness and sub strap are required. Belt dates must not be over three years old. (Example: Oct 21 may be used in 2022, 2023 and 2024.) Arm restraints are mandatory and must be adequately adjusted to keep the drivers hands below the top of the roll cage. Helmets must be full head coverage competition type with one of the three latest SNELL approvals (2010, 2015, 2020) or FIA 8860 or SFI 24.1 for Youth Helmets. Nomex head socks recommended. All drivers will wear a name brand flame-retardant uniform. Neck braces and/or cage nets with a SFI 3.2-1 rating or higher or Total Head containment seats are mandatory. SFI gloves are mandatory for safety. Flame retardant undergarments (long underwear, long sleeve shirt, socks and head sock) and shoes are strongly recommended.

5. **Electric's and Electronics.** On and off switches must be on dash, top of the cowl or on steering wheel. On/off switch must be connected and functional. No radio communication is allowed with the car or the driver. ONLY ONE BATTERY ALLOWED IN THE "SPORTSMAN" CLASS.

6. **Battery.** All wet cell batteries mounted in the cockpit must be covered and vented outside the cockpit area.

7. **Fuel.** "Sportsman" Class cars may run gasoline, ethanol or methanol. No performance enhancing additives are allowed!

8. **Weight.** "Sportsman" Class cars, minimum car and driver weight 790 lbs.

9. **Suspension.**

**Tread:** Maximum 65 inches outside to outside of rear tires. Minimum 32 inches, center to center of tires.

**Wheelbase:** Maximum 70 inches. Minimum 50 inches, center of front axle to center of rear axle.

**Steering:** Front wheels must be connected by a solid or tubular tie rod. Rear wheel drive only. All suspension bolts except wheel nuts must be secured by some type of locking device.

10. **Shocks.** Any shock absorber legal, except No COCKPIT Adjustable Shocks

11. **Brakes.** Brakes will be of sufficient strength so as to slide the wheels while the car is in motion at any given time. NO FRONT BRAKES ALLOWED IN THE SPORTSMAN CLASS.

**12. Tires and Wheels.** “ OLD STYLE” TURF TIRES ONLY. GROOVING OK (NEW HOOSIE R TURF TIRE IS ILLEGAL). 8” OR 10” DIAMETER WHEELS IN ANY COMBINATION OF ANY TYPE. BEADLOCK WHEELS ARE PERMITTED. TIRE PREP/DOPE IS NOT ALLOWED. Wheels must be held on with 3 or more standard lug nuts or knock-off hubs.

**13. Bodies.** All cars must have complete bodies with tail section in place. There must be a metal firewall between driver and engine, made of 24 gauge steel or .0625" aluminum. No rear view mirrors. The only part of the car allowed to be dismantled for driver to enter or exit is a quick release steering wheel hub. The minimum opening on the right side of the car will be 10" from the bottom of the roll cage to the top of the mud guard or sissy bar and 14" minimum width (a 1" tolerance in either direction is allowed). Floor pan must extend from the front of the seat to a place forward of the driver's feet on top of cross members and lower frame rails. All mechanically operated devices must be mounted below the driver's shoulders for safety. All fuel tanks must be equipped with a one-way check valve designed to prevent the spillage of fuel from the fuel tank vent in the event of a rollover. Body Panels may not extend more than 1" beyond the rear cage downtubes.

**14. Transmission.** Any type transmission is legal (See Engine Rules for exceptions for F4/F4i). Any car equipped with a shifting mechanism must have this device mounted in the driver's compartment. Shift levers may be mounted outside the driver's compartment on opposite side of car from the chain drive. Chain guards will be made of .090 inch thick aluminum or equivalent and will run on top of chain from the front of the front sprocket to the center of the rear axle. Driver must not be able to touch the chain or sprockets while sitting in the cockpit.

**15. Wings.** Cars must run a 10 square foot maximum Top Wing with a one piece center section (no multi stage airfoil wings allowed). Airfoil must be parallel with roll cage side to side. Sideboard, left side, maximum 24" tall x 48" long. Sideboard, right side, maximum 18" tall x 48" long. No part of the wing may extend beyond the width of the tires as driven (including but not limited to the center section, sideboards, or bracing). No mechanical, electrical or hydraulic adjustments are allowed in the cockpit area.

**NOSE WINGS NOT ALLOWED IN THE “SPORTSMAN” CLASS.**

**16. Numbers.** All cars must have legible numbers on both sides of car and the nose. Minimum height of numbers is 8" on the nose, 10" on each side of the tail and 12" on the wing.

**17. License.** No license is required to enter a night's event (Minimum age requirements must be met, Rule #1).

**18. Ballast.** Any material used for ballast must be firmly attached as a part of the car's structure. No loose ballast allowed (including fuel).

**19. Engine Rules.**

1. Any 1998 and older 600 cc motorcycle engine (Overbore of 1mm is allowed on Honda F2 & F3 Only!). Carburetors only, Naturally Aspirated – No Fuel Injection.  
Aftermarket airbox and exhaust allowed.

**2. STOCK Honda F4or F4i engine. Carburetors only – No Fuel Injection. Aftermarket airbox and exhaust allowed.**

F4 engines must be STOCK as the engine was run on the motorcycle with the charging unit. Pistons, rods, cams, etc. must be stock parts as used on the motorcycle the engine came from. No engine work (no ported heads, no lightened cranks, no lightened flywheel, no lightened pistons, no cam degreeing, no head cleanup). Valve jobs will be allowed as long as they are within manufacturer tolerances. Stock valves must be retained. Aftermarket timing advancers are illegal. Cam gears that are redrilled, slotted or altered are illegal. Internal charging system components must remain in the engine. Crank case ventilation (to atmospheric pressure only) is allowed. Electric Water Pump & Remote External Oil Cooler Allowed. Any exhaust will be allowed, but all cars must start each race with a muffler. All original transmission gears must remain intact and functional. Any engine sprocket (520 or 530) is allowed. Outer cosmetic changes will be allowed to mount the engine in the car (i.e. cut part of the engine off to get it to fit, relocate oil pan drain plug, etc.). CDI black box must be stock appearing OEM without external adjustments (RPM limit modification is allowed). F4 or F4i CDI box only! No RR CDI boxes are allowed.

**20. Engine Claiming Rules.** There will be a \$1500 "A" Main (engine only) claim or exchange on the first three finishers by the 10th finisher forward. The person being claimed has the option of taking the \$1500 or the other person's engine. If your engine is claimed, you will retain the complete exhaust system including the exhaust nuts, the carburetors or fuel injection system and air cleaners, the coils and spark plug wires, the CDI (black box), the voltage regulator and the wiring down to where it plugs into the engine or into the connectors coming from the engine, the shift lever, the chain drive sprocket & bolt/nut, chain guard designed to protect engine from broken chain, Electric Water Pump & Remote External Oil Cooler (if present), plus all of the mounting plates and bolts etc. required to mount the engine. Aftermarket parts including: Carburetor Boots, Thermostat Housing, Water Pump Housing and Oil Pan and Pickup, to be retained provided stock is available from engine owner night of claim.

The person claiming the engine gets the engine with all covers, pan, starter, charging system, carburetor boots, water neck, head and valve cover intact. The person removing the engine will unplug all wiring and unhook all hoses at the engine. Do not cut wiring or hoses. Any driver, owner or crew who tries to damage the engine, car or parts of the opposite party while the engine is being removed for a claim will be subject to fines, suspension, or disqualification as deemed appropriate. You need to remember that when you sign in at the races each night with a Sportsman Class 600cc four cylinder engine, you are agreeing to have your engine claimed. If two people claim the same engine, the highest finisher of the two would get the engine. When requesting an engine claim, the \$1500 must be presented in cash or certified check. **Absolutely no personal or company checks** will be accepted for claiming purposes.

**The penalties for refusing an engine claim are:**

1. Loss of all Points accumulated in THAT CLASS for the season.
2. Disqualification of the DRIVER from racing in THAT CLASS at SSMC for the remainder of the point season.

Richard Kreisel  
1/26/24

Rev. 1- Wing Sideboard Offset Removed & Right side Opening 10" x 14" - 05/08/14

Rev. 2- Claim Rule added & Overbore Clarified – 12/08/14

Rev. 3- Added SFI 24.1 to Helmet – 01/15/15

Rev. 4- Revised Nerf Bar projection, F2/F3 Overbore 1mm max. & Electric Water Pump/Oil Cooler – 02/27/15

Rev. 5- Updated Helmet & Seat Belt spec. – 12/14/16

Rev. 6- No RR CDI box allowed – 1/16/23

Rev. 7- Updated Belt & Helmet Dates – 1/26/24

# Mid Missouri Modified Midget Racing Association

## “Single Sportsman” Class Rules

### --2024--

#### GENERAL:

- a.) 2-Stroke 271cc Max.  
4-Stroke 450 cc Max. (Rule #19)
- b.) Any Size Top Wing (Rule #15)
- c.) 65” Max. Outside Rear Tires (Rule #9)
- d.) **TIRE PREP/DOPE IS NOT ALLOWED (RULE #12)**
- e.) Fuel Bladders NOT Required, but STRONGLY RECOMMENDED!
- f.) ANY Cockpit Adjustments Allowed



1. **Age.** Drivers age 12 and up may compete in the "Single" Class.
2. **Roll cage.** Roll cages shall be at least 1 inch .062 wall thickness. .065 wall thickness allowed on tubing 1 1/8 inch diameter or larger. Roll cage shall be made of chromoly steel or equivalent material. The front section of the cage shall be no further back than the steering wheel. Roll cage shall have sufficient fore and aft bracing and strength to support the weight of the car & driver in case of an upset. Cage shall have gussets at the intersecting bars to the uprights. Bends must have at least 3 inch radius. No square or pointed corners allowed. Roll cage must be a minimum of 3” above the drivers helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.
3. **Bumpers And Nerfs.** Car must have bumpers extending beyond the front and rear tires. Nothing may extend beyond a tangent line from the outside edge of the tires to the bumpers. Nothing may extend beyond the outside edge of the tires or wheels, whichever is the widest. No sharp corners or design as to hook or damage. All cars must be equipped with nerfing bars. Nerfing bars must extend to inside edge of tires, but not more than 1 inch beyond the outside of the rear tires.
4. **Safety.** Seat belts must be securely attached to the car and used at all times. Metal to metal latches only. 5 point seat belts, shoulder harness and sub strap are required. Belt dates must not be over three years old. (Example: Oct 21 may be used in 2022, 2023 and 2024.) Arm restraints are mandatory and must be adequately adjusted to keep the drivers hands below the top of the roll cage. Helmets must be full head coverage competition type with one of the three latest SNELL approvals (2010, 2015, 2020) or FIA 8860 or SFI 24.1 for Youth Helmets. Nomex head socks recommended. All drivers will wear a name brand flame- retardant uniform. Neck braces and/or cage nets with a SFI 3.2-1 rating or higher or Total Head containment seats are mandatory. SFI gloves are mandatory for safety. Flame retardant undergarments (long underwear, long sleeve shirt, socks and head sock) and shoes are strongly recommended.
5. **Electric's and Electronics.** On and off switches must be on dash, top of the cowl or on steering wheel. On/off switch must be connected and functional. No radio communication is allowed with the car or the driver.
6. **Battery.** All wet cell batteries mounted in the cockpit must be covered and vented outside the cockpit area.
7. **Fuel.** "Single" Class cars may run gasoline, ethanol or methanol. **No performance enhancing additives are allowed!**
8. **Weight.** "Single" Class cars, minimum car and driver weight 590 lbs.
9. **Suspension.**
  - Tread:** Maximum 65 inches outside to outside of rear tires. Minimum 32 inches, center to center of tires.
  - Wheelbase:** Maximum 70 inches. Minimum 50 inches, center of front axle to center of rear axle.
  - Steering:** Front wheels must be connected by a solid or tubular tie rod. Rear wheel drive only. All suspension bolts except wheel nuts must be secured by some type of locking device.
10. **Shocks.** Any shock absorber is legal.
11. **Brakes.** Brakes will be of sufficient strength so as to slide the wheels while the car is in motion at any given time.
12. **Tires And Wheels.** Any wheel size and tire combination may be used, but tires may not exceed 22 1/2 inches in height. Wheels must be held on with 3 or more standard lug nuts or knock-off hubs. **TIRE PREP/DOPE IS NOT ALLOWED**

**13. Bodies.** All cars must have complete bodies with tail section in place. There must be a metal firewall between driver and engine, made of 24 gauge steel or .0625" aluminum. No rear view mirrors. The only part of the car allowed to be dismantled for driver to enter or exit is a quick release steering wheel hub. The minimum opening on the right side of the car will be 10" from the bottom of the roll cage to the top of the mud guard or sissy bar and 14" minimum width (a 1" tolerance in either direction is allowed). Floor pan must extend from the front of the seat to a place forward of the driver's feet on top of cross members and lower frame rails. All mechanically operated devices must be mounted below the driver's shoulders for safety. All fuel tanks must be equipped with a one-way check valve designed to prevent the spillage of fuel from the fuel tank vent in the event of a rollover. Body Panels may not extend more than 1" beyond the rear cage downtubes.

**14. Transmission.** Any type transmission is legal. Any car equipped with a shifting mechanism must have this device mounted in the driver's compartment. Shift levers may be mounted outside the driver's compartment on opposite side of car from the chain drive. Chain guards will be made of .090 inch thick aluminum or equivalent and will run on top of chain from the front of the front sprocket to the center of the rear axle. Driver must not be able to touch the chain or sprockets while sitting in the cockpit.

**15. Wings.** Cars may run any size top wing. Sideboard, left side, maximum 26" tall x 54" long. Sideboard, right side, maximum 24" tall x 54" long. No part of the wing may extend beyond the width of the tires as driven (including but not limited to the center section, sideboards, or bracing). Top wings are mandatory to enter a night's event. Cars may finish without a wing if no replacement is available.

MEASUREMENT DETAILS:

Left to Right (Side to Side) – Measure with a straight edge on outside of tires.

Nose Wings

If a nose wing is used, the center section may not exceed 4 square feet.

**16. Numbers.** All cars must have legible numbers on both sides of car and the nose. Minimum height of numbers is 8" on the nose or nose wing, 10" on each side of the tail and 12" on the wing.

**17. License.** No license is required to enter a night's event (Minimum age requirements must be met, Rule #1).

**18. Ballast.** Any material used for ballast must be firmly attached as a part of the car's structure. No loose ballast allowed (including fuel).

**19. Engine Rules.** **Any single cylinder 2-stroke motorcycle engine no larger than 271cc.** Any modification allowed.  
**Any single cylinder 4-stroke motorcycle engine no larger than 450 cc.** Any modification allowed.  
All cars must start the race with a muffler.

Richard Kreisel  
01/26/24

Rev. 1- Right Side Opening 10" x 14" – 12/08/14  
Rev. 2- Added SFI 24.1 to Helmet – 01/15/15  
Rev. 3- Revised Nerf Bar projection – 02/27/15  
Rev. 4- Corrected Lugnuts to match other classes – 09/10/15  
Rev. 5- Updated Helmet & Seat Belt spec. – 12/14/16  
Rev. 6- Updated Belt & Helmet Dates – 1/26/24