



2014 UMSS 600cc Micro Sprint Rules

Micro Sprint Specifications:

1. Terms and conditions

Intent of this class is to provide an entry level open wheel car for drivers 12 years old and up with the use of a production stock motorcycle engine from the bike to the car. Internal Stock parts – must use original manufacturer parts for the particular year and make engine except where noted. No mixing of parts from different year and make engines, even if made by the same manufacturer. Non-stock external bolt-on parts may be used (example: billet oil pan, starter, water pump cover, oil cooler, pipes, etc.).

2. Overall Engine

The engine must be a Production Motorcycle Engine, 4-cylinder, 4-stroke. Current year engines are allowed. No Titanium anywhere in or on the engine, unless it comes stock from manufacturer of engine on the production bike. It must have the engine, clutch, and transmission all in one unit. It must be Chain Drive.

3. Bore and stroke

600cc Maximum allowed. No 636cc, no over bore.

4. Head and Cams

NO PORTING, Blending the Bowls, or Blending the Valve Seats (exhaust or intake). Valve jobs are acceptable.

Cams do not need to be stock, but the lift must be no greater than stock. (Duration is open)

Cam timing may be adjustable.

May use any valves, but they may be no larger than stock valves.

Head may be resurfaced.

Any head gasket may be used.

5. Pistons

Any Piston may be used, but must be within cc limit specified under bore and stroke.

6. Bottom End

No machining to remove weight from the crank (no after-market cranks and no lightweight cranks).

Stock connecting rods must be used (no after-market rods).

Aftermarket rod bolts may be used.

7. Clutch/Transmission

The clutch does not need to remain stock, but must remain operable.

Transmission gears must be stock, no close-ratio gears or nonstandard gear ratios.

All gears must remain in transmission, no removing of any gears.

8. Ignition

Stock appearing ignition must be used (no after-market ignition systems, but factory race ignitions are okay).

May use different year ignitions, but they must be from the same manufacturer. No aftermarket coils.

9. Induction system

No mechanically forced induction (turbo charging, supercharging).

Any carburetors may be used on any engine, regardless of year of engine.

If the engine did not come from the factory with fuel injection, fuel injection may not be used. If the engine came with factory fuel injection, the fuel injection may be used and must be converted for use with alcohol. No gasoline permitted. The stock fuel injection throttle bodies must remain. Any number of fuel injectors may be used regardless of stock number of injectors. Power commanders are permitted.

10. Exhaust

Any exhaust may be used, as long as there is a muffler included with the system that will keep noise levels within individual track limits.

11. Charging system

The stock original factory charging system may not be removed, and must remain in complete working order. No factory racing charging systems.

12. Self-Starting

The engine must self-start at the beginning of the event. If it does not self-start, the car may be pushed off and must start at the rear of the event as the penalty.

13. Fuel & Fuel Cells

Micro sprints will use Alcohol only. No exotic fuel additives are allowed. Non-flammable top lube only, no fuel enhancer top lube.

Fuel tanks must contain a bladder in 2011 or an approved fuel cell may be used (Rci type).

14. Chassis

The wheelbase must be 60 inches plus or minus 5 inches. Minimum weight at all times is 775 pounds, car and driver. If weight is added it must be firmly bolted in place. Weight may be adjusted at any time with a 1 week notice. Maximum tread width measured outside to outside of rear tires is 65 inches. All cars must be fitted with a suitable chain guard. Car leaking fuel, oil or water on track will be black-flagged off the track immediately. All cars must be equipped with front and rear bumpers, and left and right nerf bars securely fastened to the chassis. Minimum size bolt is 10-32 or 10-24. Wing, shock, weight or panhard/swaybar adjusters will be allowed in cockpit or within reach of the driver. All cars must appear similar in design. Maximum top wing size is 14 square feet and a minimum of 10 square feet. All cars must have working brake system on rear axle. No exotic chassis or independent front suspension. Side panels cannot pass rearward past the rear diagonal rollcage tube/brace or an imaginary line between the back edge of the rear torsion tube and the back edge of the rear rollcage member. The rear roll cage member is defined as the top tube behind the driver where a frame connects.

15. Safety gear

Fire resistant driver suit, sfi-5 double layer suit recommended or single layer with fire resistant underwear minimum. Snell 2005 or newer helmet required, arm restraints, fire resistant racing driving shoes and gloves required. Head and neck restraint is recommended. All drivers are required to have a Raceiver radio. Racing seats are mandatory, high back style with a minimum of a five point harness.

16. Tires

Hoosier tires must be in place on all four corners of the car during an event. Spec right rear of a minimum of d20 with a factory d20 durometer of 42 plus or minus 2 before and 15 minutes after the race.

17. Age

Driver minimum age is 12 years old.

18. Traction Control

No traction control devices of any kind will be allowed. If your car is found to have one, an automatic disqualification will take place immediately.

General Rules & Disclaimer:

PENALTIES AND SANCTIONS

Rules infractions of any type whether discovered through a post-race inspection or teardown, or in connection with an infraction witnessed by a track official are subject to a confiscation of illegal parts and forfeiture of all money, awards, and points for that event. In addition, a fine determined by series officials up to \$1,000, and/or up to 30 days suspension, and/or loss of all points earned to date is also possible. Penalties and sanctions shall be at the discretion of the Track and /or UMSS Officials.

CONFISCATION OF ILLEGAL PARTS

The UMSS will at the discretion of the Official(s) confiscate any and all illegal parts. All confiscated parts become the property of UMSS and/or the race track and may be disposed of at their discretion.

AMENDMENTS TO THESE RULES MAY BE MADE IF NECESSARY.

UMSS AND TRACK OFFICIALS DECISIONS ARE FINAL!

Rules disclaimer: The rules and regulations set forth are designed to provide for an orderly conduct of racing events. These rules shall govern the condition of all events and by participating in the events, all participants are deemed to have complied with these rules. No expressed or implied warranty of safety shall result from publications of, or compliance with these rules and/or regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or official. Tech official(s) shall have full authority, at the discretion of the UMSS official(s) in charge, of any competitor and the competitor may be disqualified for rule violations, hazardous equipment, or hazardous actions. Vehicle approved by the tech inspector means only the inspected vehicle is approved for participation in a competitive event and shall not be construed, in any way, to mean the inspected vehicle is guaranteed mechanically sound. Be it further declared the tech official shall not be liable for any mechanical failure nor for any losses, injuries or death resulting from inspection.

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