

Canadian Lawn Mower Racing Association Modified **Class Rules**

1. Must be a factory lawn tractor or riding mower.
 - No Tubular frames or handmade frames.
 - Frame may be reinforced.
 - Replacement cosmetic parts may be fabricated if desired.
 - (Try to retain mower appearance.)

The whole point of this rule is to avoid having people spend large amounts of money on an aluminum chassis in order to achieve a weight savings. A sub frame may be added for strength or for easier mounting of components but these have to be in addition to the factory frame or pan so there would be a weight increase.

2. The mower decks may be retained or removed.
 - Cutting apparatus must be removed.

REMOVE THE BLADES!! The deck has the disadvantage of added weight but has the advantage of keeping your opponents tires from coming between yours.

3. Gear ratio may be changed.
 - Done by changing drive belts/pulleys and chains/sprockets or by replacing internal gears of transmissions.
 - No variable clutch or pulley or shift-able gear other than factory standard may be fitted.
 - (No centrifugal clutch or torque convertor assemblies).

Basically use what came with the mower or what was scavenged from other mowers. If it didn't come on a mower, you can't use it.

4. Engines
 - May not be modified internally.
 - (I.e. Crank, rod, piston, cam, valve train, flywheel)
 - rebuilding (i.e. boring is allowed. New piston must be factory supplied or equivalent)
 - Governor may be removed or modified.
 - Exhaust may be modified, no muffler required.
 - Carburetor may be modified or replaced with aftermarket carburetors.
 - Fuel injection is allowed.

- Must be naturally aspirated.
- Engines must be a four cycle, single cylinder gasoline engine.

All parts must be from the engine manufactures factory or an equivalent part. No high performance or custom made parts. The parts in the engine must have been designed for that particular engine and not for a different model of the same brand or manufacturer. Rebuilding is allowed so that older worn out engines may still be used. It is not meant to be used as a method to gain horsepower. All parts under the shroud such as the ignition system and the flywheel must remain stock or equivalent.

The governor components may be removed from the inside of the block if so desired. On the induction and exhaust system anything is allowed as long as it remains a normally aspirated four stroke single cylinder engine running on pump gas. Leaded gas is absolutely not allowed indoors nor is any additive containing lead.

5. Suspension may not be modified from factory.
 - Suspension may not be widened from factory width.
 - Axles must be in stock position relative to frame.
 - Suspension and axles may be strengthened or replaced with dimensionally equivalent.
 - Tire castor and camber may be changed.

The whole point of this rule is to prevent the mowers from being widened out and dropped down and looking like go carts. The mowers are supposed to look like mowers. The overall width may be changed by tires and rims but as a rule of thumb don't exceed four inches over factory width (two inches on each side) due to different tires or rims. The axles may not be shifted to one side. They must be centered on the mower with the net result of the tires extending an equivalent amount on each side of the center line of the mower.

6. Tires may be replaced but must remain turf trac or equivalent lawn and garden tire.
 - Tire sizes may be changed.
 - Rims may be replaced with aftermarket rims.

The rear tires must be a lawn and garden tread pattern. Note land AND garden NOT lawn or garden so no tractor treads/lugs or ATV style tires. It is permissible to put more aggressive tires on the front steering axle of the mower.

7. Engine fuel must be pump gasoline.
 - Fuel additives are allowed.

At present there are no hard and fast rules about the percentage of additives to fuel. Just make sure you aren't adding fuel to the additives. Octane boost, valve safe and 2-stroke oil are common additives used.

8. Numbers must be visible on both sides of lawnmower and must be 3 inches in size or larger.

This is mostly for the benefit of the crowd and to assist the announcer.

9. Safety
 - No leaking gas tanks.
 - Fuel lines must be secured.
 - Brakes must work and may be modified or replaced with aftermarket parts.
 - Kill switch must be a tether cord that kills the ignition in the event of the rider dismounting Lawn mower.
 - Throttle must be spring return to a neutral position. Must be foot feed or steering wheel mounted hand throttle.
 - Helmet, glove, work boots and coveralls or fire suits must be worn.
 - Mower may not have any sharp edges or protruding surfaces that endanger other riders.
 - All belts and chains must be enclosed with the exception of those on the underside of the mower.
 - Mower must be mechanically sound.

These are the important rules that MUST be obeyed. The gas tank and line must not leak while the mower is in the upright position or while cornering. It is allowed to leak at a controlled rate if the mower is tipped over, so the basic fuel cap will be sufficient.

The fuel line must be sufficiently secured that it will not be snagged by moving components or touch hot engine components such as exhaust pipes.

The brakes must be capable of stopping the mower.

The kill switch must kill the ignition and not shut off the supply of fuel as the ignition kill will stop the mower quicker.

The engine must quickly idle down when the throttle is released.

Some protective clothing must be worn. The helmet must be DOT or SNELL approved. No bicycle helmets.

The mower must be structurally sound covers, such things as cracked axles. Loose seats, loose bolts and anything else that might make the mower unsafe.