

2017 Rules and Regulations

Rebels & Rednecks Mower Racing Association

Data from www.lawnmower-racing.com/rules.html

General Rules Applying to all classes

Safety Rules

Long pants, neck braces, helmet, and boots (or laced up shoes) must be worn.

No one is allowed on the track while race or practice is in progress

No children are allowed in the pits unless accompanied by an adult

No alcohol or drugs permitted

No fighting or use of profanity to other drivers or officials

All drivers under the age of 18 must be accompanied by a parent or guardian to sign a release form

Drivers under the age of 18 must pass a driving test conducted by an official

If you have a complaint/disagreement, please find an official to discuss it with. Any problems arising will be addressed as soon as possible

Do not block exit or entrance gates

All glass must be removed or taped up

No speeding in the pit area

Operating Rules

Drivers are allowed 3 minutes for breakdowns on the track. If you leave the track you cannot return

Drivers are allowed 2 breakdowns during the race, on the 3rd breakdown you will be black flagged and will have to leave the track

In the event of a caution, the driver responsible for the caution will have to go to the rear. If you cause a caution because you are struck by another mower (the mower behind you hits you and you spin out) you do not lose your position.

If the field is under caution and you decide to work on your mower (or your mower breaks down) you will only have until the mower causing the caution gets rolling to finish. If you are still working on your mower when the original mower (the one that cause the caution) gets going (or exits the track) the caution will restart with you as the cause.

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If you are not in pre-stage for your race you forfeit your spot. The only exceptions is back to back races

All drivers must attend drivers' meetings

Limit of two races per mower (women's division and legends class can run three)

No working on mowers until they are stopped and the track is under caution

Mower Rules

All mowers must have visible numbers on both sides of the hood

All mowers must run gasoline (unless running an open mower that requires mixed or diesel fuel)

All mowers must have rear fenders

Mowers must run lawn mower tires with the exception of modified v-twin classes

Modified V-twin classes can run either lawn mower tires or Hoosiers

Tires and wheels must be the same size on both sides of either axle

Tires must have tubes or bead lock wheels

Wheels must be made of steel or aluminum

Mowers must have a working kill switch

Mowers must have onboard starting system that is in working order

Must be operated by a push button starter or key start switch

Must have air filters

All batteries must be secured

Mowers must be equipped with either foot or hand brakes

Mowers must have either foot or hand throttle

Centrifugal clutches are allowed in all classes

Mowers must have a deck or simulated deck

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Mowers must have footholds made so that the foot can't become entangled

Seats must be lawnmower style seats and should be on the center line of the frame of the mower

Front axle and steering may be reinforced, fabricated, or substituted

Exhaust design should be opened and it must terminate away from driver and competitors

Driveline can be modified from the engine pulley to the rear wheels using lawnmower parts only

Can run live axle

Engines must be vertical shaft engines manufactured for use in lawnmower (except in open class)

Any transmission with chains must have sufficient shields

All mowers must have front and back bumpers, Bumpers are to be no wider than your tires and should include a riser with the center of both bumpers measuring 8 inches from the ground up

All gray areas within the rules will be subject to inspection of the inspectors and officials with determine if they are legal for competition

Mower Frames

Mower frames should consist of actual factory frames however, with the variety of existing mowers and different building styles we do allow tube framing and other builds as long as it maintains a mower appearance.

Width- all mowers must measure 42 inches or less from outside sidewall to outside sidewall

Length- all mowers must measure 60 inches or less center to center of the wheels

Racing Classes

Stock Class Engine/Transmission Rules- These rules apply to all stock classes unless otherwise noted

Transmission must maintain all working forward gears as well as reverse

Transmission can be locked for safety purposes

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Governor can be unhooked

Stator can be removed

Magnets may be removed

Carburetors must be stock for the orientation of the motor

No overhead cams allowed

After market air filters are allowed

Must have stock cam with no modifications to the camshaft allowed (subject to cam test).

Porting and polishing are not allowed

Advance keys in flywheel are allowed (except in junior stock class)

Valve keepers may be upgraded using stock OM parts (stock springs must be maintained)

Orientation of the motor must remain the same (example 17 hp motor must have 17 hp head) (with the exception noted in stock single cylinder flathead)

Engines are subject to compression test

Can run vacuum fed external fuel pump- no electric fuel pump allowed

Stock classes must run smaller size rims/tires on the front versus rear of mower (modified classes can run same size front and back)

Stock Classes

Junior Stock- ages 10 to 14- engine must be Briggs single cylinder flathead (11 hp to 12.5 hp) or the following: For the 2017 race season we are going to do some experimenting in the Junior Stock class, for this reason we are going to allow Junior Stock mowers the option to run a Predator 212 cc 6.5 hp motors (can be purchased at harbor freight) with no modifications to the motor allowed. Any Junior Stock mower running a Predator motor will only be allowed to participate in the Junior Stock Class.

No live axles allowed

Must run a 5 to 1 gear ratio

Stock Single Cylinder Flathead- (ages 14 and up) maximum compression of 125 pounds

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Can run 11 hp heads on 12 hp mower in this class only

Stock Single Cylinder Overhead Valve- (ages 14 and up) up to 17.5 hp engine. Maximum compression of 150 pounds

Stock Twin Cylinder Flathead- (ages 14 and up)

Stock V-twin (14 to 23 hp)- (ages 14 and up) subject to the same rules of other stock classes (no aftermarket cams)

Modified Classes- modified classes are allowed to run after-market parts and make modifications to the motor and rear of mowers. Drivers who are under 18 must have proven driving experience with our organization or pass a driving test before competing in modified classes

Legends- (ages 50 and up) Engine must be vertical shaft single cylinder

Modified V-twin (14 to 16 hp)

Modified V-twin (18 to 23 hp)

Modified single Cylinder Flathead

Modified Overhead Valve

Modified Twin Cylinder Flathead

Women's Division

Open Unlimited- all v-twin engines ranging from 23 hp up and any engine with no more than 2 cylinders

Impound Protest Rules

The inspection team/officials has the full discretion to inspect any mower that seems questionable

Drivers can protest a mower that they believe is illegal. All protest requires a \$100 fee. If the protested mower is found to be legal, the driver of the protested mower will receive \$50 and the \$50 will go to the organization. If the protested mower is found illegal, the protestor will receive their money back and the driver of the illegal mower will be required to pay \$50 to the organization (driver cannot participate in any further racing until the fee is paid)

The officials can impound and mower that is being protested. Impounded mowers will be inspected at the conclusion of the evenings races

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Our stock classes are starting to grow and with that growth comes the temptation to cheat in order to get that edge over the competition. We realize that as long as you have racing there will be individuals who will attempt to find ways to cheat however, we do not condone cheating and we want racing to be both fun and fair for everyone. So in order to try to deter cheating and keep our stock classes in check we have come up with the following:

Officials may at any time decide to check the top 3 finishers in any stock class

This check will involve removing the heads and inspecting, measuring and documenting all components of the motor that can be checked

Inspections will involve 2 inspectors

Drivers will be responsible for replacing their own head gaskets

If a mower is deemed to be illegal, the driver will lose all accumulated points (in the stock class) and will be bumped up to a modified class

Drivers may refuse to be inspected however, refusing an inspection will result in loss of their points (in the stock class) and driver will be bumped up to a modified class

The inspectors' decision will be upheld by staff!

Also, a friendly reminder (because the question came up at Galax) putting parts from a higher hp motor on a lower one (or vice versa) does not make the motor legal just because you use stock parts. In other words, if you take stock parts out of a 17.5 Kawasaki engine and put them in a 14.5 Kawasaki engine then your 14.5 hp engine is no longer a stock motor.

Flags

Green- start of race

Yellow- caution, slow down and form a single file behind leader

Yellow/white- the field is not sufficiently bunched up for the restart

Red- race has stopped. All drivers need to stop

Black- the black flag rolled up is a driver warning. A full black flag means driver has to exit the track immediately

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White/green- halfway point of race

Blue with orange stripes- slower mowers need to move to allow passing room for faster mowers

White- one lap to go

Checkered- race is over

Points System

Points go to the mower

Everyone receives 6 show up points plus

First place= 12 points

Second place= 10 points

Third place= 8 points

6 points for finishing race

2 points for starting in the race