

NORTH SACO RACING ASSOCIATION



PRESENTS THE

PATHFINDER CUP RACING SERIES SPONSORED BY ROWE WESTBROOK

Racing Rules and Guidelines 2017

No alcohol or drug consumption by the racers or pit crews will be tolerated prior to/during any race event. Violation will be cause for immediate disqualification from the race AND a LOSS OF 100 POINTS.

Rulebook: It is up to everyone entering the track to read all rules and be knowledgeable of the rules.

NSRA reserves the right to change rules at any time.

1) Conduct

- b)** Any un-sportsman like conduct by drivers or pit crew members will be brought up to the President's attention, which could lead to possible loss of points, suspension from future races, or banned entirely from the association. All violations will be noted in association's records. Complaints and disagreements must be taken to the announcer's table after the race. This is where the race officials will settle the complaint.
- c)** No scenes (harsh words exchanged) or fighting will be allowed on the track or the pits. **NO EXCEPTIONS!!!!**

2) Inspections

- a) NSRA** officials must have a pre-race inspection on every mower and kart. Mowers and Karts must comply with the rules of each class entered.

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3) Age Restrictions

- a) Mower drivers must be 18 years of age with the following exception; ages 14-17 may race if they have parental or legal guardian consent release form and proof of age **BIRTH CERTIFICATE**. Parent or legal guardian must be present with the child at each race.
- b) Flat Kart drivers must be 18 years of age with the following exception; ages 15-17 may race if they have parental or legal guardian consent release form and proof of age **BIRTH CERTIFICATE**. Parent or legal guardian must be present with the child at each race.
- c) Senior Cage Kart drivers must be 18 years of age with the following exception; ages 14-17 may race if they have parental or legal guardian consent release form and proof of age **BIRTH CERTIFICATE**. Parent or legal guardian must be present with the child at each race. **Age 13 and younger can move up at the discretion of the racing officials.**
- d) Junior Cage Kart drivers age 6-13 and proof of age **BIRTH CERTIFICATE**. May race if they have parental or legal guardian consent release form and proof of age **BIRTH CERTIFICATE**. Parent or legal guardian must be present with the child at each race.

4) Liability Waiver

- a) ALL DRIVERS, PIT CREW AND SAFETY PEOPLE MUST SIGN A LIABILITY WAIVER. ANYONE NOT SIGNING THE WAIVER WILL NOT BE ALLOWED IN THE PITS OR ON THE TRACK.

5) Helmets / Clothing

- a) DOT or SNELL approved FULL FACE helmets are required. Goggles or approved safety glasses are required. Helmet face shields are acceptable.
- b) Long pants, long sleeve shirts and gloves are mandatory. (NO SHORTS, NO SHORT SLEEVES, NO TANK TOPS)
- c) Heavy shoes that cover ankles must be worn. No type of tennis shoes or sneaker is allowed.
- d) Neck braces designed for racing applications are mandatory in all classes.
- e) Arm sleeve is recommended but not required.
- f) Elbow pad for right elbow is recommended but not required.
- g) Chest and rib protective jacket is recommended but not required.

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6) Race Time Meetings

a) All drivers are required to arrive one hour prior to scheduled race time. All drivers will attend a driver meeting prior to every race night.

7) Numbers

a) Number must be a minimum of 6 inches high. Numbers will be displayed on both sides and back in contrasting colors.

b) Assigned numbers will come from the **NSRA** by request. Numbers will remain in effect from year to year. If a mower or kart is sold, the new owner must change the number to an approved number. **All numbers will stay with the driver throughout the year and cannot be transferred.** Point Champion will have the option to claim number 1 if they choose to. There will be no duplicate numbers in the same division IE 11 and 11X

8) Safety/Tech Committee/Inspectors

a) Members with assigned responsibility and the NSRA president have final authority on all matters regarding the safety and conduct of all racers and any matters relating to racing conditions and Mowers and Karts.

b) Mower or Kart tear-down is not a requirement for disqualification.

c) Mowers or Karts may be inspected at any time for compliance with existing rules and regulations.

e) **Safety is our main concern. Therefore, we are asking all drivers to have a Fire Extinguisher. Kart drivers should have one that is capable of putting out an alcohol fuel fire in their pit area, should you choose not to comply with this rule you are assuming total responsibility for your own safety. If you have an enclosed trailer you must have an approved Fire Extinguisher in the trailer at all times!**

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9) Racing Fees

a) There is a fee of \$20.00 per class, an additional \$10.00 will be charged for each additional class entered, per race.

10) Pits

a) Must be 18, under the age of 18 must have a parental or legal guardian consent release form and proof of age. Parent or legal guardian must be present with the child at all times in pits. Everyone in the pits must use caution at all times keep your head up when walking!

b) Drivers must keep mowers and karts at a slow speed at all times in the pits. Pit road speed is 5 MPH MAX. Failure to comply will result in Mower or Kart being parked for the rest of the event possible loss of point or suspensions for multiple offences.

11) General Race Requirements

a) If a driver leaves the course, he/she must re-enter as close as possible to the same point. The driver may not re-enter further down the track. All decisions made by the flag official will be final. The Flag official will control the track at all times.

b) If a mower or kart stalls on the race course, the driver's first responsibility is to move the mower or kart to a safe position at least 10 feet off the course. Crew members may NOT go out on the course at any time during the race unless specifically directed so by the chief flag man. Drivers are only allowed **3 YELLOW** flags per race. 2nd will be a warning with a rolled up yellow flag being waved at the driver. 3rd will be an automatic black flag **PUTTING YOU OUT OF THE RACE.**

c) Grid positions for the race line-up will be drawn from a hat at the first race of the year. (Or bucket if no hat is available) Positions after the first race will be determined by points.

d) NO INTENTIONAL BUMPING WILL BE TOLERATED ON OR OFF THE RACE COURSE.

e) The responsibility for a safe pass rests with the overtaking driver.

f) Unsafe off track driving practices may result in disqualification.

g) Mowers or Karts with flat tires will be black flagged.

h) All mowers and karts MUST be equipped with an automatic throttle-closing device.

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- i) All mowers and karts must be equipped with a kill switch, which will turn off the ignition if the driver leaves the mower. Mowers shall use the tether, mechanically attached to the mower and the driver. Velcro is NOT acceptable. Tether may reach to the back of the seat and/or shall not be longer than 30 inches, tip to tip in stretched out length. Pressure switches are not allowed. Kill switch must remain in closed position (engine not running) until driver mounts mower. Additional switches that can by-pass the kill switch are not allowed under any circumstance.
- j) Mowers and Karts must be free of projections, which could injure the driver, competitor, or damage another mower or kart. No axle or wheel mounting bolts may protrude beyond the face of the tire sidewall.
- k) Mowers and Karts must be safe and complete. All parts and panels must be held in place without any missing nuts, bolts, cotter keys, etc...
- l) No repairs will be allowed on track. All repairs must be made in the pits. That includes a belt or chain falling off. Mower or kart must be pushed into the pits before repairs are attempted.
- m) No delays will be allowed during line up. If you are not ready, you will be put in the back. NO EXCEPTIONS! The lineups will be posted; it's up to the driver to be ready and on time. **Points break down.**

To qualify for the season points title you must compete in a minimum of 6 races.

FEATURE POINTS	HEAT POINTS
1 ST : 55	20
2 ND : 45	18
3 RD : 40	16
4 TH : 35	14
5 TH : 30	12
6 TH : 25	10
7 TH : 20	8
8 TH : 15	6
9 TH : 10	4
10 TH : 5	2

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TRACK RULES

FLAGS: Every driver must know the meaning of the flags and respond to their meaning precisely or they will be subject to the association's code of conduct rules and possibility penalties.

GREEN: The race/practice is underway when the green flag is waved.

YELLOW: Take care, DANGER. NO PASSING ON THE ENTIRE COURSE. As soon as any driver notices the yellow flag, he/she must raise one arm to notify other driver of the caution. Drivers then form a single line, close up with the leader and follow the STARTERS directions.

RED: STOP RACING IMMEDIATELY! Clear the course as much as possible.

BLUE: Move over flag sometimes with a diagonal yellow, orange, or red stripe. This flag is shown to drivers when a faster driver is approaching them and trying to overtake. Only lapped cars have to give way to a faster driver. If after being shown three blue flags they have still not done so they risk being penalized.

BLACK: You have got trouble or you are in trouble. If this flag is rolled up and shaken at a driver you have been given a warning for some type of infraction or equipment violation. There is only ONE warning. Once an open black flag is waved at you, you are out of the race. At that point you must pull off the track if possible and stop your mower or kart and pull into the pits. The issue will be settled after the race.

WHITE: One lap to go before the race is finished. White flag crossed with GREEN means halfway point of race.

CHECKERED: End of the race or practice session.

Race officials may test drivers at any time for knowledge of flag procedures and these regulations. Drivers must pass all tests in order to practice or race.

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RACING DIRECTOR

The Race Director will have the final decision on all tracks and racing controversies. His decision will be final, unless the violation needs to be addressed by the **NSRA** committee because of possible violations that may lead to penalty or suspension.

- 1) Grid positions for heat races will be determined by a drawing at the first race, then by points after the first races. Feature positions will be determined by heat finishing order. Except previous week Feature winner will start last regardless of heat finish.
- 2) All Mowers and Karts will be inspected before a race for safety equipment and racer's gear. (Boots, kill switch, helmets, neck brace, etc...)
- 3) Upon a caution the flagman will show one finger and a rolled up YELLOW flag to indicate one lap remaining before the GREEN flag will restart the race! If there is a problem with restarting after giving the one to go flag, the flagman will wave crossed arms back and forth to indicate that the start has been waved off.
- 4) A pass is not complete until you cross the finish line. If a caution flag comes out before a driver crosses the start finish line after making a pass then the driver must go back to his original position.
- 5) If a driver is unsure of his or her current position, then the driver should pull alongside the position that is in question and wait for an official to indicate where the driver is to be placed.
- 6) If a caution flag occurs with less than 5 laps, it will create a GREEN/WHITE/CHECKERED situation, meaning when racing resumes the drivers will take a GREEN flag, and then the next lap will be a WHITE flag followed by a CHECKERED flag. It will be a single file restart.
- 7) Drivers are only allowed **3 YELLOW flags per race**. Second will be a warning with a rolled up YELLOW flag being waved at the driver. Third will be an automatic BLACK flag PUTTING YOU OUT OF THE RACE. Caution laps do not count.
- 8) Upon a RED flag, stop on the track and wait for the official to line up the field in order. Once the field has been lined up, the YELLOW will be displayed to pace for a restart.
- 9) Finishing order will be determined by what position you cross the start/finish line. In the event that you are unable to cross the finish line, the amount of laps you complete, or your distance to the start/finish line will determine your position.
- 10) All decisions made by the Race Director are final.

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11) All protest can be made after the race to the Race Director. Protest will be ruled upon a case-by-case scenario. Protest in a good sportsman-like manner or you will not be heard at all. **(THIS MEANS NO YELLING AT ONE ANOTHER)**

12) **If a Racer is not on the track for more than 3 consecutive green flag laps, you will not be allowed to return to the track.**

13) Grid positions for the feature race will be determined by the heat race with one exception. The previous feature winner will start in the last grid slot.

SPORTSMAN MOWER CLASS RULES

1) No mowing blades and removal of mowing deck is optional. If it stays on mower, it must be mounted securely.

2) Open to all self-propelled rotary type lawn mowers. Mowers must have been designed and sold commercially to mow residential lawns.

3) **Engine:** 5 to 20 hp single cylinder 4cycle. **May not be internally or externally modified must be governed to 3650 rpm (will be checked with a tachometer)**

a) **Fuel** = gasoline (boosters optional)

b) NO performance enhancing parts (stock air filters, mufflers, carburetors, etc.)

c) Must have operative spring return throttle. Must have operative tether switch.

d) Must have throttle locks.

4) **Safety Kill Switch:**

a) Tether switch is mandatory. Mowers must have a breakaway type. Similar to types found on boats, wave runners, quad runners. The hook-up cord may be no longer than 30 inches stretched out. It may not reach any further than the back of the driver's seat.

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5) **Body and Frame:** Frame, fenders and hood - all stock and mounted securely.

a) Must be stock height from ground.

b) 4 Stock lawn mower tires and wheels. (Lawn turf tires no slicks) With 6" minimum lawn mower wheels. NO KART WHEELS ALLOWED

c) Brakes must work properly.

d) Batteries must be mounted securely.

e) Front-end parts must be in good condition. (No worn-out wheel bushings, tie-rod ends, or spindle bushings)

f) No front-end alterations or modifications. Camber up to 5 degrees ok on stock spindles reinforcement is ok for safety reasons. Heim joint are allowed for safety.

g) Maximum width of mower is 38"

6) **Pulley:** changes are allowed.

7) **Bumpers/Safety Bars/ Mower Decks:**

a) Front bumpers are MANDATORY, may not exceed the front width of the tires.

b) Rear bumpers must not exceed the rear tire width.

c) Running boards or nerf bars are highly recommended but can NOT exceed the width of the tires. Mowing decks may be used in place of running boards or nerf bars, but must be securely fastened to the frame of the mower. An outside barrier on the running boards or mowing deck to keep your feet from slipping is highly recommended (will help control your body weight while cornering)

d) Center of bumper should be 10 inches off the ground and 6 inches in height.

8) **Trans:** Must be stock lawn mower transmission must be belt driven to trans.

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MODIFIED MOWER CLASS RULES

1) Engines:

- a) 5 to 20 horsepower single or twin cylinder 4cycle.
- b) Vertical or horizontal shaft.
- c) Must be lawn mower type engine
- d) *May not be internally or externally modified must be governed to 3650 rpm (will be checked with a tachometer)*
- f) Exhaust must route downward or to the side of the mower. Must be stock muffler in good working condition. Maximum decibel limit of 62

2) Transmission/Drive-line:

- a) Driveline choice is open. (Gearboxes, centrifugal clutches, torque converter clutches direct drives, solid rear axles)

3) Body and Frame:

- a) Must have a lawn mower frame. If stock frame is inadequate for racing, it may be reinforced or a new one built from steel of the same dimensions and style. No aluminum frames.
- b) Wheel base may be no longer than 60 inches (that's the length from axle to axle)
- c) Width may be no wider than 42 inches (that's outside tire to outside tire distance)
- d) Body must have lawn mower style hood and fenders. May be modified to fit frame. Hood must be locked down in place securely.

4) Starters:

- a) Electric or pull start only. No hand-held gear drive starters (like on go-karts and Minnie dragsters)

5) Gas tanks and fuel systems:

- a) Gas tanks must be securely mounted and reasonably protected. (NO nitrous oxide allowed)
- b) Inline fuel shut off valve mandatory.

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c) No fueling a running engine.

6) **Throttles:**

a) Any type throttle may be used, twist grip, thumb throttle, squeeze grip or foot pedal. Must operate freely and have an operable return spring. No fixed throttles.

7) **Safety Kill Switch:**

a) Tether switch is mandatory. Mowers must have breakaway type. Similar to types found on boats, wave runners, quad runners. The hook-up cord may be no longer than 30 inches stretched out. It may not reach any further than the back of the driver's seat.

8) **Wheels and tires:**

a) Any style wheels may be used. They must be mounted securely to the axle.

b) 4Turf style tires only (No slick tires are allowed).

9) **Brakes:**

a) Mandatory! Brakes must be upgraded from stock braking system.

10) **Suspension:**

a) Steering arms and tie-rods ends must be 3/8-inch diameter minimum.

b) Must use heim joints or large type ball joints.

c) No shocks or springs are allowed.

11) **Bumpers/Safety Bars/ Mower Decks:**

a) Front bumpers are MANDATORY, may not exceed the front width of the tires.

b) Rear bumpers must not exceed the rear tire width.

c) Running boards or nerf bars are highly recommended but can NOT exceed the width of the tires. Mowing decks may be used in place of running boards or nerf bars, but must be securely fastened to the frame of the mower. An outside barrier on the running boards or mowing deck to keep your feet from slipping is highly recommended (will help control your body weight while cornering).

d) Center of bumper should be 10 inches off the ground and 6 inches in height.

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GENERAL KARTING RULES

A) ENGINES

- 1) Engines must be WKA legal per division rules.
- 2) Must have proper engine plate per division rules.
- 3) Fuel all classes will run on Methanol with the exception of the Clone / Animal flat class they will use pump gas.
- 4) Stock RLV type Mufflers are MANDATORY! No exceptions! No open pipes, no loop/bugle pipes.
- 5) All Header pipe bolts MUST be safety wired.
- 6) Must run a chain guard for safety. No guard No racing!
- 7) No open /modified engines allowed!

B) TIRES

- 1) Any 5" or 6" diameter kart wheel is allowed.
- 2) Slick or Treaded tires allowed but must meet minimum Durometer of 35.
- 3) Prep is allowed, but not at the TRACK. No prepping is allowed at the track at all!
Prep at home!
- 4) Durometer rule. If caught below 35 you will be DISQUALIFIED random checks.
- 5) You can ONLY use WATER to clean tires. NO CHEMICALS OR SOLVENTS!

C) CLUTCH

Any Disc or Drum clutch is allowed.

D) BODY AND FRAME

- 1) Must have full body or full nose with side panels at start of race. All bodies, side panels and nosepieces must be securely mounted.
- 2) Rear bumpers are required. Nerf bars are required. On all restricted kid's classes, Rear Bumper will be from outside of tire to outside of tire. Front bumpers to be stock and not modified in any way.

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- 3) Kart must have a minimum of rear brakes. All brake bolts and supports will have no less than nylock nuts, it is suggested that they be pinned and that a rotor guard plate be installed.
- 4) Header must extend past fuel tank but not past rear bumper. No sharp edges. If no muffler or bugle tip is used, then header must have minimum of 1.990" outside diameter by .075" thick washer at the end of the pipe. Header support brace required. All pipes must be in a secure fixed position.
- 5) Fuel tanks must be securely bolted to the floor pan beneath the steering shaft unless it is an integral part of the engine. Only one fuel tank with a maximum seven-quart capacity. Fuel lines will be of adequate length to connect fuel tank and carburetor. Excessive fuel line will not be permitted. No pressurized fuel systems allowed. Exception for Flat Heads.
- 6) Seats must securely locate the driver laterally and longitudinally. Seat must be of one-piece molded construction with no peaks or add in sections. Seat must be securely bolted to frame and not be adjustable while kart is in motion. No portion of the seat shall be located rearward of the vertical plane of the rear axle.
- 7) Floor pans must be within one inch of the frame from the front of the seat forward.
- 8) All steering and suspension components need be safety wired. Hubs need snap rings and safety wire.
- 9) All karts are required to have a brake rotor guard or Wofle plate.
- 10) Arm restraints MUST be in caged kart classes (Jr and Sr)
- 11) All weights must be painted white and double nutted and have kart number on it. Must be mounted to the chassis no weight will be allowed in the nose of the Kart
- 12) Catch cans are MANDATORY. WKA approved. NO SODA BOTTLES!
- 13) No cross-class racing allowed (IE) Flat Head must run in flat head class and A/C OHV must run in their class. No cage carts will be allowed to run in either class.

E) CLOTHING

- 1) **Fire proof jacket required in all classes** full race suit recommend.
- 2) Right arm heat shield recommended.

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FLAT KART FLATHEAD CLASS RULES

- 1) Weight 375lb.
- 2) Fuel Methanol.
- 3) Engines unrestricted Flathead.
- 4) Black plate on Blueprinted Animals weight 410lb

FLAT KART ANIMAL/CLONE CLASS RULES OHV

- 1) Weight 375lb.
- 2) Open fuel rule!
- 3) Engines Stock Animal or Clone.

SR CAGE KART CLASS RULES

- 1) Weight 410lb. Animals. 390lb. Flathead.
- 2) Fuel Methanol.
- 3) Engines Animal or unrestricted Flathead.
- 4) Black plate on Blueprinted Animals
- 5) 5-point harness

JR CAGE KART RULES

- 1) Weight 315lb.
- 2) Fuel Methanol.
- 3) 5-point harness
- 4) **Engines Purple Plate Flathead.**

Thank you for complying with NSRA rules and GOOD LUCK!