



2022 Racing Season Rule Book

The rules and regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimal acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these 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, official or spectator.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or to impose further restrictions that in his/her opinion do not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED GUARANTEE OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decisions are final and not open to appeal.

General Regulations

1. On Track Regulations

Any deliberate actions to circumvent the safety features of a mower at either a Local Chapter or National Points Series race will result in sanctions for the driver. Based upon the severity of the incident sanctions may be increased at the discretion of the Local Chapter representatives and/or Elite Representatives (dependent upon where the incident occurred. Actions to deliberately violate the rules for any mower class will result in sanctions.

- A. Completing a safe pass is the responsibility of the overtaking driver. No bumping will be tolerated. This means if you initiate a pass and during execution you realize you cannot complete the pass in a safe manner then it is up to the overtaking driver to return to a safe position on the track while avoiding contact with other racers.
- B. If you are being overtaken by another racer and it is clear that they are faster, make room for the overtaking racer and let them pass.
- C. Multiple mower blocking is not permitted.
- D. The racer that causes an incident will restart the race at the end of the field. This will be determined by the track officials.
- E. Flags will be used to communicate to the racers the following on track conditions:

Green: The race/practice is underway when displayed.

Yellow: CAUTION, DANGER. No passing on the entire track. Drivers will form a single line at a safe pace speed close up to the leader and follow the starter's directions. On the third unassisted mower spin by the same driver, the driver will be black flagged and removed from the track. If a mower becomes disabled on the track the driver is to remain seated on the machine unless a safety issue (fire, etc.) prevents this. Assistance will be provided to help push the mower to the exit of the track, at which point the driver will have two laps to make repairs and rejoin the field. If the driver is unable to do so, the field will be given one to go and the race will restart.

Drivers not remaining on their mower during a caution will receive a black flag warning and be placed at the rear of the field. If the incident occurs during practice the driver will start the heat race at the rear of the field. The second infraction will result in the loss of all points for the day for that class. Disabled drivers receiving assistance from any non-racing spectator who has entered the track area without permission will be assessed the same penalty as drivers who fail to remain on their mowers. If a driver not racing in

the class enters the track area uninvited he/she will receive the same penalty as the on track driver.

Yellow & White: The field is not bunched up for restart. If this is displayed, close it up.

Red: Stop all racing action immediately and shut off your engine. This flag is used in emergency situations where personal injury has occurred or the track is blocked.

Blue with Yellow Stripe: Faster mowers are approaching, drivers should yield track position to race leaders and move to the top of the track.

Black: This for driver or equipment infractions. The driver must safely exit the track and consult with the Chief Steward. A furled black flag is a warning to a driver to clean up his/her act or receive the full black flag indicating he/she needs to exit the track.

White: One lap to go. Crossed white and green indicates the race is halfway complete.

Checkered: End of race or practice session. Winner may choose to make a victory lap with the checkered flag. The remaining drivers will complete the lap and safely exit the track to the pit area.

- F. Driver must keep both hands on the steering wheel, except to momentarily operate other controls. Driver's body may not be intentionally positioned out of the mower seat onto or over the mower fender.
- G. If you leave the course during the race, re-enter the track as close as possible to the exiting point. Exiting the course and reentering in order to gain position will result in the driver being placed at the rear of the field.
- H. If the mower stalls or shuts off/breaks down do not get off your machine. Track officials will assist getting the driver and machine off the track when it is safe to do so.
- I. Anyone dismounting a mower in anger will be removed immediately from that race. Anyone touching another racer or track official in anger will be removed from the property where the race is being held.
- J. Unsafe off track driving will not be tolerated.
- K. Drivers must attend all drivers meetings. If an unforeseen circumstance forces a driver to miss the meeting they shall begin at the rear of the field after meeting with the Chief Steward for a briefing on the day's racing information.
- L. Starting positions will be determined by random draw for a rolling start.
- M. Drivers are expected to report to the track in a timely manner. The Track Steward or his designee will signal mowers to move from the pit area to the start/finish line on the track. Once mowers are lined up the class will be given two laps to circle the track. If a driver participating in a single racing class has not entered the track and his/her spot in

the grid within these two laps he/she will start the race at the rear of the field. At the end of the two “grid up laps” the flagger will signal one to go and then start the race.

2. Pit Area and Track Regulations

- A. Mower pit speed is 5 MPH maximum.-Drivers will be warned of violations of pit speed. A second warning for excessive speed in the pits will result in
- B. Long pants, closed shoes and shirts are required in the track area.
- C. Refueling: Driver must dismount and engine must be shut off when fuel is added. A fire extinguisher (Liquid Fire Rated) must be in the hands of a crew member any time fuel is added to a hot machine.
- D. Mower must be completely stopped before the driver dismounts.
- E. Track crews are under the direction of the Track Steward at all times.
- F. The driver is responsible for the conduct of his/her guests and crew, even while on the track.
- G. Only authorized personnel and drivers shall enter the racing course during racing activity. All individuals entering the pit area, including crew members and guests, must sign a release discharging Elite from liability. All individuals entering the track area must have a wrist band.
- H. No pets are allowed on the racing course.
- I. Elite reserves the right to limit pit space. Campers and RV’s may be permitted on race day only if space permits.
- J. No vehicles other than racing mowers and official vehicles such as tow mowers shall be on or near the track.
- K. No alcoholic beverages or illegal drugs are allowed within the controlled area of the racing activity, including the pit area. Any person who is actively participating in a race event (at any level) who has consumed alcoholic beverages, illegal drugs, or controlled substances that are mind and/or motor skills altering may not participate in any capacity.

3. Driver Eligibility

- A. Drivers must be members of the Elite Mower Racing.
- B. Prepared class drivers (Mod X-R T class and above) must be at least 16 years of age except in Mini Pr. Drivers under 18 years of age must have an approved parent’s consent form on file. Drivers 14 years old and under **MUST** have a parent **present** to sign liability waivers or send a pre-completed notarized waiver form with the supervising

adult holding authorization over the child for the day. One waiver must be filled out per minor.

- C. Drivers participating in Junior Mini must be at least 6 years old and no older than 12 years old.
- D. All drivers must sign a release discharging Elite Mower Racing from liability.
- E. Drivers should conduct themselves in a professional, mature manner while on the track. If a driver feels there is an issue requiring attention, he/she will bring the issue to the Chief Steward in an appropriate manner. Failure to do so will result in removal from the remainder of the day's racing action.

4. Driver Safety Equipment

- A. Every driver must wear an automobile racing or motorcycle-type full-face helmet-with chin guard approved by the U. S. Department of Transportation or the Snell Foundation.
- B. The helmet must fit snugly and be securely buckled when the driver is on the track.
- C. Goggles or a face shield are required. Glasses are not adequate protection.
- D. All drivers must wear long pants-without excessive rips and/or holes, long sleeved shirt, neck brace, full-fingered gloves and leather over the ankle boots on the track. Tennis shoes are not acceptable. Chest protectors and other anti-abrasive suits are highly recommended. No loose clothing on the track.
- E. Each pit area must have a liquid fire rated fire extinguisher.

5. Mower Eligibility

- A. Events are open to all riding type lawn mowers and garden tractors (with tires 20" or less) that were mass-produced and commercially available to mow residential lawns. Zero turn riders are not permitted.
- B. Final determination of eligibility and classification is up to the technical inspector.
- C. Organizers reserve the right to reject any mower at any time, which in their opinion, represents an attempt to defeat the spirit of these rules, even though it complies with the letter of them.
- D. A single mower may participate in multiple classes, however points will only be awarded for the class the mower is built for. This will be identified by using the class letters on the machine.

- E. Drivers owning two machines prepared for the same class may race one machine in the heat and a second mower in the feature. Both mowers must pass through technical inspection prior to the start of the day's racing action. If a driver utilizes a back up mower, that driver must start at the rear of the field.

6. Technical Inspection

- A. All mowers entered in any Elite event must be inspected for compliance by the Technical Inspector prior to participating in practice or racing.
- B. Drivers must complete the registration process and sign insurance releases prior to entering the tech line.
- C. Drivers may be questioned on the content of this document and must pass in order to practice or race.
- D. All required safety equipment must be present at technical inspection.
- E. Any driver, guest, crew member or official that displays behavior that is considered dangerous to other drivers, guests, crew members or spectators may be removed from the event by authorized event officials.
- F. If it is the opinion of an Elite official designee that a LMS, Mod-X-R, or MXR-T mower is out of compliance with rules for these classes, said mower may be internally examined. This may include removal of cylinder heads, opening of transmissions, etc.
- G. Non-Elite legal machines that pass safety inspection will be placed in the most appropriate class using the Elite rulebook. It should not be the expectation that Elite classes will be adapted to permit them to run.

7. General Mower Specifications-ALL CLASSES

- A. Cutting blades must be removed.
- B. Cutting decks must be securely mounted in a near stock location. Super Modified classes and LMS may simulate a cutting deck using tubing that is a minimum $\frac{3}{4}$ diameter round. Decks must be even with the outer edge of tires. Decks must be as wide as the body edge or running boards whichever is wider. No sharp edges. A built rub rail must be no lower than the frame, and Nerf Bars may only be up to height of 8 inches maximum off the top of the mower deck.
- C. Mowers must maintain a minimum of 2.5" ground clearance under the lowest point of the deck except Super Modified and LMS class mowers.
- D. Mowers must maintain a minimum of 4" of ground clearance under the lowest point of the frame except Super Modified and LMS classes. Unused brackets and non-structural material may be removed to gain clearance.

- E. Exhaust design is open, but must terminate away from the driver and competitors, in a rearward and downward direction without creating a safety hazard.
- F. Starter and battery must be on board in all classes, even if the machine uses an offboard starter to fire.
- G. Rear wheels must be secured to the rear axle with shaft locks, center bolts or thru-bolts.
- H. All non-stock mowers shall have an automatic, throttle closing device.
- I. Kill switch lanyard length shall be as short as necessary to effectively stop the mower as quickly as possible. Lanyard length shall not exceed 40" when fully extended. This device must be commercially available for racing and/or recreational vehicles such as ATVs, jet skis, snowmobiles, etc. Homemade and/or magnetic switches are not allowed.
- J. Mower brakes on any open gear ratio mower must be upgraded to a brake system on the rear axle.
- K. Brakes may be hydraulic or mechanical- and must be axle mounted in any open gear ratio class.
- L. Throttle and brake control may be relocated.
- M. The steering wheel, seat, body and frame must be centered between the right and left wheels. Seats must be forward facing and cannot be turned to either side of the mower. Offset is not permitted except for the Super Modified classes.
- N. Drive line may be modified from the engine pulley to the rear wheels. All classes except Super Modified and LMS must use a shiftable lawnmower transmission or transaxle. Vari-drives may be used if originally equipped.
- O. No centrifugal or torque converter clutches permitted in Mod X-R T.
- P. Rear axle may use open differential, locked, live or solid axle. No single wheel drive. Aluminum rear axles are permitted.
- Q. Wheels must be the same size on each axle, of any origin, but made of metal. Dual or tandem wheels are forbidden. Unreinforced stock OEM steel wheels are forbidden.
- R. Front axle and steering may be modified or fabricated. Front axles may be pinned, bolted or welded into place. No suspension allowed. All modifications and fabrications are subject to the judgment of the technical inspector.
- S. All steering linkage must be ball-type or spherical threaded rod ends.
- T. Footholds and seat side boosters must be minimally designed so as not to entangle body parts. Nerf Bars should be no higher than 8" from the bottom of the bar to the top and be flush with the bottom of the frame. Bars should be 2" off the rear tire. With wheels turned to extreme position, there should be 2" of clearance between tire and bar.

- U. All steering and wheel retention fasteners must terminate with locking nuts, castellated nuts with cotter pins, washers with new cotter pins, shaft locks, or locking bolts. Cotter pins, E-rings and C-rings alone, bent nails, hitch pins, over center pins and quick-release pins are not permitted.
- V. Mowers may reach a maximum width of 40" sidewall to sidewall in Mod X-R T and Mini Pro. For LMS and Super Modified classes the maximum width is 42"
- W. Carburetors must be of lawnmower origin and from the same manufacturer as the engine block except in Super Modified classes. All machines must have dual return springs on the throttle.
- X. Mowers may only operate on pump gasoline or commercially available race fuel- maximum 114 octane. The addition of nitrous oxide, rocket fuel, alcohol or other oxidizers by a racer is not permitted. No combustion enhancing substances may be added to the crankcase oil or air cleaner assembly. Any attempt to circumvent this rule will result in disqualification from the event. No electric fuel pumps.
- Y. All engines must be naturally aspirated. Blowers, turbochargers, and water injection systems are not allowed.
- Z. Tires must be lawnmower tires in Mini Pro and Mod X-R T. Super Modified classes and LMS are permitted lawnmower tires or other tires such as go kart slicks or grooved tires.
- AA. Substituted steering wheels are permitted. They may not be mounted offset unless originally mounted offset. Steering "wheel" consists of a 360 degree circular device. This wheel may not be pegged or have steering devices attached to them. Hand throttle and brake controls are permitted.
- BB. All positively charged terminals must be insulated with a cover or heavy tape. Battery must be well secured on the mower, no zip ties or bungee cords allowed. Battery must be solidly mounted with a metal retaining device. Any battery mounted outside of the frame must have the sides encased in steel a minimum of 1/8" thick 2/3 of the way up the sides of the battery and must include an additional hold down support.
- CC. All mowers must be safe and complete with all parts and panels in places with no missing fasteners. Machines that have been involved in an on-track incident resulting in removal of body parts will only be allowed back on the track after the mower has been inspected to determine if its return would present a safety issue.
- DD. All exposed sprockets, chains, rotating shafts and pulleys must be fitted with metal guards 1/8 inch thick minimum deflecting a broken chain downward and preventing entanglement with mower parts.
- EE. Mowers must be free of sharp edges, projections and protrusions.

- FF. A rear bumper is required for ALL classes. Bumpers must be no wider than the rear tire width, fabricated from either 1” or 3/4” outer diameter round tubing with radius bends and installed a maximum of 2” from the closest surface of the rear tire. Height of bumper from bottom bumper loop to top bumper loop no higher than 8”. The bumper should be centered on the rear axle. The intent of the bumper is to prevent mowers from “climbing” the rear tires and making contact with a driver. No other bumpers are permitted, even those offered as factory options.
- GG. Seats must be present and of lawn mower origin except Super Modified classes. Seat is defined as being *a separately attached device* on which the driver will place his body during racing competition. They should be securely mounted to the mower, on the center of the frame, facing the front of the mower. Seats may be adjusted more towards the front or rear of the mower along the center line to help achieve better weight balance for handling.
- HH. The lowest portion of the seat pan should not be mounted lower than the top of the rear tires except in Super Modified classes.
- II. Sheet metal should be as delivered from the factory with the following exceptions:

Substitutions:

- Where original factory sheet metal is not available or is damaged in a way that renders it unsafe or unusable sheet metal from another similar model mower that would otherwise be eligible to race may be used.
- Replacement sheet metal must fit properly and be as close in shape to the factory panel as possible.
- Substitute sheet metal should be attached to the frame in as close to the original position as possible.
- All panels must be securely fastened so as not to create a safety hazard.
- Substituted panels must be modified to fit properly and safely.
- Minimal under hood mounting brackets are acceptable.
- Panel substitution is provided in order to give the opportunity for a racer to run a mower that might otherwise be sidelined. Panels may not be substituted simply to modify or customize a mower’s appearance. Panel substitutions that make a mower look radically different than other mowers in a class will not be allowed.
- Fiberglass parts are permitted as substitution for metal parts when metal parts are not available.

Modification:

- The hood and/or its components may be modified to provide clearance to allow tires to turn and steer without contact with sheet metal.
- Sheet metal may be bent or cut to allow for clearance of modifications otherwise allowed such as air cleaners, exhaust, brakes, clutches or other controls.
- Openings cut in sheet metal shall not be more than 2 inches from the obstruction.
- Fenders may be modified to allow for tire clearance issues due to chassis lowering as well as for handling purposes. Allowable modifications include:
 - ❖ Trimming fenders such that there remains ½” of clearance between the fender edge and all sides of the tire.
 - ❖ Flaring of the fender such that there remains ½” of clearance between the fender edge and the top of the tire.
 - ❖ 1” of vertical material must remain on the fender. This will ensure the structural integrity of the fender.
 - ❖ Fender trimming should follow the contour line of the fender, not merely remove sheet metal in the immediate area.
 - ❖ Fender trimming or flaring resulting in sharp edges will not be permitted.
- Removal: Any sheet metal originally on a mower may not simply be removed. A mower originally delivered with fenders must have fenders. A mower originally delivered with a hood must have a hood.
- JJ. Race numbers should be a minimum of 3” high and of a sharply contrasting color from its background, and be visible from all four sides of the mower including the rear . Mowers without numbers or mowers with the same number will be assigned one during registration. Mowers will also have class designation letters of the same size. See individual rules for class abbreviations.
- KK. All mowers must have a functioning mechanical clutch. chain drive from engine to transmission is allowed.
- LL. Mowers must present a neat and clean appearance. No written profanity is allowed.
- MM. There may be **NO** alterations to a stock flywheel. ***This is to include removing the magnets*** and/or removing metal from the flywheel in various locations. Altered flywheels are not tested under any standards for safety and may not withstand high rpms. Billet flywheels are required in ANY ungoverned class.

ALL MOTORS MUST BE OF LAWN MOWER ORIGIN

Class Designation	Engine Type (of lawn mower origin-4 stroke engines)*	Original Factory Rated Horsepower	Wheelbase	Front Rim Size	Rear Rim Size
Mini Pro	Honda GX 200 or 212 cc clone equivalent	6 ½ hp AND 196 cc	34” minimum 39” maximum NO REAR ENGINE	6”rim 13x5x6 or 13x6.5x6	6”rim 13x5x6 or 13x6.5x6
Jr Mini	8 HP Max Vert.				6.5” wheel 13-6.50x6 carlisle Turf Master only
MXR-T	Governed engine- Single or Twin OHV or VIB	49 c I and under stock twin	39” unaltered minimum	6”minimum	6” minimum 8” maximum
Limited Mod Single	Governed engine- Single OHV or VIB	49.0 cubic inch or smaller	42” minimum unaltered	5” minimum 6” maximum	6”minimum 8” maximum
Super Modified Single	Single Cylinder 4 stroke horizontal or vertical	Unlimited	42” minimum unaltered	5” minimum 6” maximum	6”minimum 8” maximum
Super Modified Twin	Twin cylinder 4 stroke ohv vertical or horizontal	49 c.i. and under	42” minimum unaltered	5” minimum 6” maximum	6”minimum 8” maximum

- Engines must maintain stock outward appearance with the exception of the air filter, air cleaner or velocity stack and the crankshaft must be in original orientation and clearance hole in the frame in all classes except Super Mod Single and Super Mod Twin
- Mid-engine frames are permitted only in MiniPro and Jr. Mini classes

Jr. Mini:

This class is for children 6-12 years of age. A parent or guardian must be present whenever the child is on the track. The driver must be able to reach and operate all the controls. Safety is of utmost importance in this class. All drivers must demonstrate that they can safely drive and control the mower before they will be allowed to race other mowers. This will be determined by the child going out on the track by themselves and making laps. Drivers demonstrating competency at a local level will be permitted to race at National Point Series events for awards. The intent of these rules is to provide a structure whereupon this class could be run for national level points in the future.

- 39" maximum unaltered wheelbase, 40" maximum unaltered width. NO OFFSET
- 6" maximum rim height, maximum 13" diameter rear tires
- 2" minimum frame height. 6" maximum frame height. Nothing should hang down closer than 2" off the ground.
- Mower seat can be any size. An upright kart seat is allowed.
- Engine must be stock, with exception of air filter and exhaust, and must be 8HP or less.
- Engine must be governed at 3650 rpm or less.
- Ratio from engine to rear wheel can be no less than 8 to 1 in the highest gear- All other gears must be under 8 to 1.
- Mower must utilize a positive clutch set-up. A positive clutch set-up is one where the pedal must be held down to make the mower move. When the pedal is released the clutch MUST disengage.
- Mowers must have functional brakes that operate on a separate pedal.
- Front axle must be welded or bolted in place. Steering can be modified for safety.
- Must have running boards wide enough to prevent the child's feet from touching the ground.
- Rear bumpers are mandatory. The top of the bumper must be within 2" of the top of any mower seat, or at least halfway up the rear of the seat if a kart seat is used, and cover most of the rear tires. No sharp edges.
- A small front bumper is optional, but must be made so it will not get tangled with another mower. No sharp edges and it can be no wider than the hood.
- Nerf bars are optional, but they cannot stick out past the outside edge of the tires, No higher than 5".
- Mower must have a working, tethered, commercially available kill switch.
- Drivers must wear all the safety equipment anytime they are on a running mower.
- Air Pressure max 12 lbs
- Rear tire and Rim size 13x 6.5 x 6 Carlyle turf-master 13x 6.5 x 6 Turf-masters, Rims 6 diameters x 6.5 wide
- Bolt stuck in throttle plate; need positive stopping device on throttle, either governor plate or on dash where throttle adjuster is.

Mini Pro:

- Minimum age requirement 10 years old
- Must be a small chassis front or mid-engine machine (i.e. Huffy, Rugg, Mustang or comparable), unaltered OEM wheelbase 34" minimum.
- Max width 40" to extreme edge of wheel/tire. Ground clearance to frame 4" minimum, to deck 2.5" minimum.
- In the absence of a usable frame one may be constructed to the following specifications.
 - 2"x1"x 14 or 11-gauge rectangular steel tubing. NO ALUMINUM!
 - Frame measurement outside to outside 12" NO VARIATIONS!
- Sheet metal must be of lawn mower origin. If small Huffy style hoods are not available larger lawn mower hoods may be used and shrunk, "chopped and channeled" to fit the smaller frame size.
- Mower "brand" name will be the same as the hood being used. Ex: Homemade frame/Wheelhorse hood = Wheel-horse mower. Rear fenders are optional.
- Must use factory mower deck, deck halves; decks can be modified and nerf bars no higher than 5".
- Must use a factory lawn mower seat or its OEM replacement, centered on the mower, forward facing and with the seat pan no lower than the top of the rear tires.
- Steering wheel must be full circle. No handlebars or pegged steering wheels.
- No Rear Engine Machine
- Engine must be a Honda GX200 or its 196cc clone equivalent, or a 212 cc clone, no exceptions.
- Stock block, stock side cover, stock valve cover (pulse fitting is okay), stock head (no billet) but may be aftermarket cast. Stock crankshaft or Max Stroke or Clone Plus Stroke Crankshaft (Plus .012-.014) only. Stock bore- aftermarket piston acceptable without overbore.
- ARC billet aluminum flywheel, ARC-6619, only. No other flywheel permitted.
- Billet rod and any cam permitted. Valve train upgrade okay (stock diameter stainless steel valves only. Aftermarket valve springs, keepers, retainers, pushrods okay) Valves must be stock diameter.
- No billet or roller rockers. Champion Rockers or aftermarket stamped rockers are okay.
- No cc limits on combustion chamber. Porting and polishing okay.
- OEM carburetor only. Carb must appear stock but can be internally modified. No standoff tubes. Must run an aftermarket air filter. Pump gas only.
- Engine must appear stock externally. Must be naturally aspirated. No electric starters.
- Exhaust pipe, no restrictions but must exit away from the driver. Header wrap or heat shield recommended.
- Foot or hand (Dead Man) throttle. Must use commercially available tethered kill switch.
- Clutch must be a shoe/drum type only. No disc clutches.
- Must run a jackshaft between the engine and rear axle.

- Exposed sprockets and chains will be shielded (11 ga min) to deflect the chain away from the driver.
- Tire size must be 13x5x6 or 13x6.50x6 lawn mower tires only. No tire prep.
- No offset or stagger. Wheels must be aluminum. Must use shaft locks, center/thru bolts/pins to secure wheels/hubs to the axle.
- Axle mounted brakes are mandatory. Front brakes are optional.
- Rear bumper required. Bumpers no wider than rear wheel width. $\frac{3}{4}$ " or 1" O.D. round tubing. Not more than 2" from the tire. Radius bends.
- Front bumpers optional. Must be the same width as the front frame and can not stick out a pass 1" from the front tires.

Mod-XR T:

- Must be a full-size lawnmower with a minimum 39" unaltered wheelbase, unattended wheelbase maximum 40" width, front engine origin, and have a steering column located behind the motor.
- Mowers will use a governed engine with a 3650 RPM maximum. RPM's will be checked at tech inspection, with clutch out, following the heat race at the discretion of an ARMA staff member, and following the feature race. Mowers failing the inspection following the heat race will be placed at the rear of the field. Multiple mowers failing post-heat inspection will be gridded based upon the variance of failure in their RPM's.
- The engine must be as delivered from the factory, internally and externally, with only the following exceptions; air cleaner, air filter or velocity stack, open exhaust, adjustable high speed jet in carburetor. Engine 49.0 cubic inch or smaller as delivered from factory.
- Failing to report to the designated area for post-race inspection will result in the loss of points for the day. If the infraction occurs following the heat race, the driver will lose registration points for the day.
- Transmission or transaxle must be shift able and of lawnmower origin. Vari-drives are not permitted.
- Discreet frame strengthening is allowed. The front axle may be reinforced, substituted or fabricated. Racer-fabricated axles will be reviewed by the Tech Inspector to determine their apparent safety for racing. Aluminum is not permitted as the material for the axle.
- Front spindles are to be a minimum of $\frac{5}{8}$ " in diameter.

- RPM may not be adjusted at the throttle control lever. RPM's must be adjusted at the governor spring. A screw is to be placed at the throttle control box to limit cable travel. If the throttle control is equipped with an adjustable nut at the lever on the steering wheel it must be firmly tightened and taped. No adjustment at this point on the mower is allowed. No cable slack will be permitted.
- Must have a starter or pull start and choke in place on the motor. Choke must be mounted under the hood.
- Spark plug wires must maintain a minimum 2" section of un-taped wire and must be accessible by technical inspectors.
- Mowers must have steel factory decks or modified simulated nerf bars optional no more than 8"
- Battery Charging System Must be charging the battery at all times.
- FRONT BUMPERS Optional MUST BE SAME WIDTH AS FRONT FRAME AND CAN NOT STICK OUT A PASS 1" FROM THE FRONT TIRES.

Limited Mod Single:

- Must be a full-size lawnmower with a minimum 39" unaltered wheelbase, unattended wheelbase maximum 42" width, front engine origin, and have a steering column located behind the motor.
- Mowers will use a governed engine with a 3650 RPM maximum. RPM's will be checked at tech inspection, with clutch out, following the heat race at the discretion of an Elite staff member, and following the feature race. Mowers failing the inspection following the heat race will be placed at the rear of the field. Multiple mowers failing post-heat inspection will be gridded based upon the variance of failure in their RPM's.
- The engine must be as delivered from the factory, internally and externally, with only the following exceptions; air cleaner, air filter or velocity stack, open exhaust, adjustable high speed jet in carburetor. Engine 49.0 cubic inch or smaller as delivered from factory.
- Failing to report to the designated area for post-race inspection will result in the loss of points for the day. If the infraction occurs following the heat race, the driver will lose registration points for the day.
- Drivetrain is open to live axle, belt or chain drive custom gearboxes or transaxles. Chain guards must be made of at least 1/8" thick material. Centrifugal clutches are permitted.

In instances where custom drivetrain may be hazardous to driver (exposed) protective shields must be installed. Discrete chassis modifications are allowed for axle installation and reinforcement, but must maintain OEM stock wheelbase. ATV drive trains and suspensions are not permitted.

- Transmission or transaxle may also be shiftable must of lawnmower origin
- Discreet frame strengthening is allowed. The front axle may be reinforced, substituted or fabricated. Racer-fabricated axles will be reviewed by the Tech Inspector to determine their apparent safety for racing. Aluminum is not permitted as the material for the axle.
- Front spindles are to be a minimum of 5/8" in diameter.
- RPM may not be adjusted at the throttle control lever. RPM's must be adjusted at the governor spring. A screw is to be placed at the throttle control box to limit cable travel. If the throttle control is equipped with an adjustable nut at the lever on the steering wheel it must be firmly tightened and taped. No adjustment at this point on the mower is allowed. No cable slack will be permitted.
- Must have a starter or pull start and choke in place on the motor. Choke must be mounted under the hood.
- Spark plug wires must maintain a minimum 2" section of un-taped wire and must be accessible by technical inspectors.
- Mowers must have steel factory decks or modified simulated nerf bars optional no more than 8"
- Battery Charging System Must be charging the battery at all times.
- Front bumpers are optional and must be the same width as the front frame and can not stick out a pass 1" from the front tires.

Super Mod Single:

- DRIVER REQUIREMENTS: Minimum 17 yrs. of age Super Mod Single **Must have at least 1 yr. of ungoverned class driving experience or past racing experience at the discretion of race advisory board.**
- Modifications to the block and heads are unlimited.
- No fuel injection, blower or turbo's. NO electric fuel pumps allowed.
- Must have open ignition.

- Cowling or safety shields (blower housings) must remain, subject to safety inspection. Engines must be separated by a safety shield or stock cowling (blower housing) from the driver.
- Engine must be located at the front of the chassis. Frames and parts, must originate as a lawn mower chassis and retain original manufacturers (OEM) specifications (no chopping) re: wheelbase and length. Material (steel round or square) may be added for structural strength. It is recommended that front axles be bolted or welded rigid eliminating the stock pivoting. Frames must have at least OEM frame rails.
- Machine and driver with race gear must be a minimum of 450 lbs. Weight check at the discretion of the technical inspector.
- Ride height must be 1.5" minimum from lowest point of chassis. 4" maximum height.
- Wheel width max 42" wide. Offset allowed and measured from the center of the chassis.. Maximum offset is center of chassis to outside right tire 23" and center of chassis to outside left tire 19"
- Body work (hood and fender) must be of lawnmower origin. Can be customized but must retain some resemblance to a lawn tractor. All parts must be securely fastened to chassis i.e. fuel tanks, batteries, bodywork, etc.
- Pump gas only, 114-octane max (no additives). N.O.S is not permitted. No fuel injection, blowers or turbos. No electric fuel pumps permitted.
- Foot or trigger throttle styles allowed. Dual return springs are mandatory.
- Tractor must have a working tethered kill switch and be fastened to the driver any time the engine is running. Kill switches cannot be homemade.
- Open exhaust allowed. Must point down and away from the driver and present no apparent hazard.
- Mower decks may be fabricated but must appear to be a deck and must maintain a minimum 1.5" ground clearance. Nerf Bars 8"max.
- Seats can be of Kart origin and must be mounted in the center of the tractor. Must be securely mounted. While some degree of inclination is expected with kart seats, drivers should not be seated in a "lay down" position.
- Rear bumpers are mandatory, with a maximum width of the rear bumper at 38" . Nerf bars are mandatory and must meet the following specifications- height within 2" of the centerline of axles, not to protrude 2" beyond the furthest point of body or tires. Maximum width front should remain inside tires and not cover the face of the tire 3 " min.. Side crash bars must not protrude from the outside edge of the tires. No sharp edges.
- Hydraulic brakes are mandatory. Front brakes highly recommended, but not required.
- Drivetrain is open to live axle, belt or chain drive custom gearboxes or transaxles. Chain guards must be made of at least 1/8" thick material. Centrifugal clutches are permitted. In instances where custom drivetrain may be hazardous to driver (exposed) protective shields must be installed. Discrete chassis modifications are allowed for axle installation

and reinforcement, but must maintain OEM stock wheelbase. ATV drive trains and suspensions are not permitted.

- Any improvements or modifications to steering are allowed and recommended. NO stock steering allowed. All steering components must be double nutted or drilled and safety wired for maximum safety. Commercially constructed pads must be added to the center of the steering wheel.
- Go kart dirt slicks or grooved tires are allowed, (no snow hogs or deep lug tires).
- Wheels must be made of metal. While smaller rim sizes are permitted, 6" front wheels and 8" rear wheels are strongly recommended. All wheels must have wheel retention in the form of a castle nut with cotter pins, lock collars, and snap rings, thru bolts or center bolts. Cotter pins alone are not permitted.

Super Mod Twin:

- **DRIVER REQUIREMENTS:** Minimum 18 yrs. of age Super Mod Twin. **Must have at least 1 yr. of ungoverned class driving experience or past racing experience at the discretion of race advisory board**
- Modifications to the block and heads are unlimited.
- No fuel injection, blower or turbo's. No electric fuel pumps allowed.
- Must have open ignition.
- Cowling or safety shields (blower housings) must remain, subject to safety inspection. Engines must be separated by a safety shield or stock cowling (blower housing) from the driver.
- Engine must be located at the front of the chassis. Frames and parts, must originate as a lawn mower chassis and retain original manufacturers (OEM) specifications (no chopping) re: wheelbase and length. Material (steel round or square) may be added for structural strength. It is recommended that front axles be bolted or welded rigid eliminating the stock pivoting. Frames must have at least OEM frame rails.
- Machine and driver with race gear must be a minimum of 500 lbs. Weight checked at the discretion of the technical inspector.
- Ride height must be 1.5" minimum from lowest point of chassis. 4" maximum height.
- Wheelbase max 42" wide. Offset allowed and measured from the center of the chassis.. Maximum offset is center of chassis to outside right tire 23" and center of chassis to outside left tire 19"
- Body work (hood and fender) must be of lawnmower origin. Can be customized but must retain some resemblance to a lawn tractor. All parts must be securely fastened to chassis i.e. fuel tanks, batteries, bodywork, etc.

- Only pump gas, 114-octane max (no additives). N.O.S is not permitted. No fuel injection, blowers or turbos. No electric fuel pumps permitted.
- Foot or trigger throttles with automatic spring return mandatory. Dual return springs are mandatory.
- Tractor must have a working tethered kill switch and be fastened to the driver any time the engine is running. Kill switches cannot be homemade.
- Open exhaust allowed. Must point down and away from the driver and present no apparent hazard
- Mower decks may be fabricated but must appear to be a deck to and must maintain a minimum 1.5" ground clearance. Nerf Bars 8" max.
- Seats can be of Kart origin and must be mounted in the center of the tractor. Must be securely mounted. While some degree of inclination is expected with kart seats, drivers should not be seated in a "lay down" position.
- Rear bumpers are mandatory, with a maximum width of the rear bumper at 38" . Nerf bars are mandatory and must meet the following specifications- height within 2" of the centerline of axles, not to protrude 2" beyond the furthest point of body or tires. Maximum width front should remain inside tires and not cover the face of the tire 3 " min.. Side crash bars must not protrude from the outside edge of the tires. No sharp edges
- Hydraulic brakes are mandatory, front brakes highly recommended
- Drivetrain is open to live axle, belt or chain drive custom gearboxes or transaxles. Chain guards must be made of at least 1/8" thick material. Centrifugal clutches are permitted. In instances where custom drivetrain may be hazardous to driver (exposed) protective shields must be installed. Discrete chassis modifications are allowed for axle installation and reinforcement, but must maintain OEM stock wheelbase. ATV drive trains and suspensions are not permitted.
- Any improvements or modifications to steering are allowed and recommended. No stock steering allowed. All steering components must be double nutted or drilled and safety wired for maximum safety. Commercially constructed pads must be added to the center of the steering wheel.
- Go kart dirt slicks or grooved tires are allowed. (no snow hogs or deep lug tires).
- Wheels must be made of metal. While smaller rim sizes are permitted, 6" front wheels and 8" rear wheels are strongly recommended. All wheels must have wheel retention in the form of a castle nut with cotter pins, lock collars, and snap rings, thru bolts or center bolts. Cotter pins alone are not permitted.