



2022 MONADNOCK SPEEDWAY YOUNG GUN RULES

Young Guns is intended to be a stock 4-cylinder racing division for kids ages 12 through 15. Competitors who have had a minimum of 2 full years go karting competition experience may be eligible to compete at if turning 10 years old in the 2022 Season.

The goal of the division is to give these young drivers an opportunity to gain valuable racing experience, at a reasonable cost, while working together as a team and **having fun**.

All members of the race teams must understand the track rules, safety, technical aspects. Safety is the primary concern, as with all of our divisions. The speedway also expects all drivers, parents and crewmembers to display good sportsmanship to fellow competitors and race teams.

Fighting, rough riding and out of control driving will not be tolerated. Any car that dominates the division is subject to an addition of weight or be asked to move into the Pure Stock division.

Safety: the number one priority! Tech Officials will do a complete safety check before allowing competitor to compete! Please build the car with safety in mind.

Since it would be nearly impossible and impractical to list within these rules all modifications, adaptations or infraction, it will be understood that: if it is not covered within the rules below, ASK.

In addition, Monadnock Speedway (MS), reserves the right to fine, suspend, anyone who is out of line of these rules or any rule infraction. MS reserves the right to modify, delete, amend or update these rules as need be.

Drivers, Owners, and Crew Chiefs, it is your responsibility to make sure your car is compliant with the rules set forth the division. It is not the Tech Officials job to make sure it is compliant. It is the Tech Officials job to make sure it is compliant in post-race inspections. Passing a safety inspection does not mean your car is compliant with the rules set forth for your division.

ALL COMPETITORS MUST HAVE A ONE-WAY RECEIVER TO COMPETE and can be purchased at the speedway. NO CELL PHONES, TWO WAY RADIONS OR MIRRORS WILL BE ALLOWED IN ANY CARS PERIOD.

The rules are the same rules as the Pure Stocks (with the exception of allowing rear wheel drive cars in the Young Guns). This will allow competitors to move into the pure Stock division, when ready, without changing their car.

IF UNSURE ABOUT A RULE - CALL THE SPEEDWAY BEFORE ASSUMING IT IS LEGAL!

1. ELIGIBLE VEHICLES:

Eligible vehicle includes front wheel drive 4 cylinder Automatic or standard models that are **10 years and older**. We will NOT allow the “high performance” configurations.

No convertibles, Pickup trucks or SUVs of any kind may compete. No special high-performance cars or four- wheel drives. If you have a question about an eligible model, please ask about that model. **No car will be able to compete that will threaten the viability of less expensive and readily available model’s sedans.** This Division will be all about driver performance and plenty of luck and not about the superiority of any particular car.

Eligible cars should be constructed from running vehicles in relatively good condition. **Engines and all other drive train components must remain stock as manufactured. No interchanging of components allowed. No performance enhancements of any kind will be permitted.**

2. CAR CONFIGURATION

- A. Car must have a full width dash, may use stock dash.
- B. **Car must have a safety kill switch on the left side of dashboard (Negative side of battery).**
- C. Car may factory column and steering. Any aftermarket column may be used as long as it is collapsible
A removable quick release steering wheel is highly recommended.
- D. All doors must be welded shut.
- E. All outside trim must be removed; Door handle holes must be covered with sheet metal.
- F. All glass must be removed – headlights and taillights, reflectors, including all windows, regulators and door locks. Front windshield may remain stock or replaced with Lexan. No rear or side windows without tech approval.
- G. All exterior holes must be patched, headlights, taillights openings etc.
- H. All air bag sensors and air bags must be disarmed for safety purpose.
- I. **All cars must have a VIN number.**
- J. All the interior/trim panels must be removed; this does not allow removal of the metal inner panels; the only exception would be the removal for cage door bars. Firewall between passenger and trunk area must be covered with metal. If inner metal panels are removed for other than door cage bars a weight penalty will/could be added up to 25lbs. A higher weight penalty if necessary, may/could be added if tech determines that an **extreme** amount of material was removed for lightening proposes and not just for cage construction.
- K. Drivers side metal interior door panel may be removed for cage purposes only.
- L. No cutting of exterior sheet metal: fenders, bumpers, trunk, etc. Only the front hood inner panel may be removed.

M. Everything about the vehicle must remain stock for the year, make and model of vehicle being used. Except for what is permitted or required in this guidebook, vehicles must remain completely stock in appearance, configuration, set-up, and running gear including motors, transmission. Any variances from this guidebook will/may result in the disallowance of competition until the variance is corrected, this will be at the discretion of the Tech Staff.

3. WHEELBASE:

A. Cars must maintain a stock wheelbase for the model used.

4. DRIVE TRAINS:

A. No all wheel drives

B. No differential gear changes allowed. No locked differentials allowed.

C. No performance computer chips allowed.

Engines and all other drive train components MUST remain stock as manufactured. No interchanging of components allowed. No performance enhancements of any kind will be allowed.

5. ENGINE:

A. Must be 4-cylinder, stock for year and make and model of car being used (Completely Stock). Engine size and Transmission must be car for car (will be checked by VIN code). No Turbo or Super Charges allowed.

B. Engine will only have water in radiator. Engines will be free of oil leaks and fluid leaks.

6. EXHAUST SYSTEM:

A. Stock headers or high-performance exhaust manifold may be used, ONLY if the car came shipped from the factory with that equipment. Stock exhaust pipe should extend from the manifold to the flange of the catalytic converter.

B. The catalytic converter needs to be removed.

Car must have mufflers. No side exhausts. Exhaust must dump under car at 90 degrees toward the track surface. Muffler and pipes must be firmly attached to the bottom of the car. **All cars must meet a 96 db. Rule.**

7. TRANSMISSION:

A. Should be an automatic, standard transmissions are allowed but may require additional weight to be added to the car. NHSTRA Tech Staff will consider these on a case-by-case basis and will add a weight penalty only if necessary.

B. NO traction control devices, stock, or aftermarket.

8. WEIGHT:

1. Up to 139HP 1100 Pounds with no penalties after 1200 pounds.
2. 140 to 179HP 1200 Pounds with no penalties after 1300 pounds.
3. 180HP and up 1450 Pounds with no penalties after 1550 pounds

ALL WEIGHTS WILL BE REVIEWED AT THE END OF THE 2022 SEASON

- A. 50lbs of right-side weight will be required after 2 feature wins; weights must be mounted under the passenger floorboards, lined up with the driver seat or mounted further ahead towards the passenger side front firewall. Each additional feature win/wins after your 2nd win will require you to add an additional 25lbs of weight under the passenger floorboards, this will be up towards the front firewall. Weight box may be welded to the right side of the cage. Only weight allowed is penalty weight and must be on the right side of the car only. **All cars will be weighed at the beginning of racing season to establish a base weight (example a car with a 1150 right side weight must weigh 1200 after 2 feature wins) and may/will be weighed after Heats/Features. Weights may be adjusted at any time to equal competition.** No Penalties will be added when a car reaches its Maximum Weight
- B. Any added weight must be securely bolted to frame with a minimum of 3/8" bolts or secured in a weight box welded to the roll cage.
- C. ALL CARS MUST FILL AN INFORMATION FORM WITH YEAR, MAKE, MODEL, ENGINE SERIAL NUMBER AND TRANSMISSION SERIAL NUMBER.

9. ROLL CAGE:

- A. All cars must have a four-point roll cage constructed of 1¾" outside diameter X .095 wall steel tubing. The roll cage shall consist of 4 vertical upright bars connected at the top on all sides and shall be adequately cross braced. The base of the upright members shall be solidly welded to the frame of the car. Four curved door bars on the left side and three curved or straight door bars on the right side are mandatory. The roll cage members must closely conform to window/door/roof contour and not be readily apparent when car is viewed from the side. Offset cages are not allowed.
- B. Forward bars attached to the main cage can only go to the strut tower, minor front bracing for protection of the radiator is allowed. Hoops may come thru the front nose piece but can only be attached to the front bumper and cannot be taller than the radiator. All bracing must pass NHSTRA Tech Staff inspection.
- C. The roll cage must not alter the geometry of the vehicle.
- D. Rear roll cage bars are allowed for added/crash protection. Only one side cage bar per side). Rear bars should/must be mounted from back of cage to rear trunk area only. Rear bars **cannot** directly connect to the upper/top part of the rear strut itself (suspension). You may connect a rear center cage bar from side to side of the inner side tub/strut box (recommend). Also, the side to side cage bar may be connected to the top of the cage bar that goes into the trunk area.

10. Battery

Battery may remain in the stock location or **relocated behind the driver's seat. No Battery's in the trunk area must be in a battery box** acceptable to Tech Staff. Battery must be free from any fluid leaks

11. RACING SEAT/ DRIVER'S HARNESS:

- A. Padded racing type driver's seat is required. Seat must be bolted to brackets and firmly welded to the roll bar assembly. All bars within the driver's reach must be padded with approved roll bar padding. Cars must have an SFI approved racing harness properly attached to the roll cage bars. Must have a minimum Five Point Harness and be less than 5 years from date of manufacturer.

12. BRAKES:

- A. Car must have brakes on all four (4) wheels and be operational.
- B. All ABS systems must be disarmed.
- C. All brakes must remain stock for year and make of car

13. SUSPENSION:

- A. All suspension components must remain stock as manufactured with the exception of adding camber adjustments on the left front and right front suspension only. This is to help prevent outside/inside tire edge wear and for aiding in car handling. A maximum of 2 ½ inches of negative camber is allowed on the right front wheel, left front wheel is allowed 1-inch maximum positive camber. No cutting or changing springs. Right front and left front upper strut mounts may be slotted for camber adjustments only. Rear camber is allowed **but must not be more than a ¼ inch positive camber on the left rear and ¼ inch negative camber on the right rear**. Camber will be measured on the concrete pad with a straight edge (square) with driver in car. Measurements will be taken at the bottom rim lip and at the top of the rim lip the difference between the two is the total camber in inches.
- B. All springs must be stock as manufactured, No changing, cutting or lowing of springs allowed must be stock (OEM) **NO AFTERMARKET SPRINGS**. Springs must be the same diameter, height and number of coils on the left and right side (same spring gauge). Shocks and struts must be stock or stock replacement type and mounted in stock location. **No covers allowed on shocks and struts**. If you replace any part, you must have the sales slip with you if asked by track official. No altered or high-performance components allowed. No weight jacking devices to increase or decrease spring rate, but you will be allowed the use of one rubber spring spacer, maximum 1 spring rubber per wheel. **Spring Rubber length cannot exceed more the one coil wound (circumference)**. Or you may use the taller spacers, these are roughly ¾ inch wide by 2 inches tall, you can use up to 3 of these if it's only used in one coil spring wound **(circumference)**.
- C. Stock Bump stops on struts must 3 inches of travel before the bump stop hits the strut.

14. FUEL TANK:

- A. Racing fuel cell is permitted and highly recommended but is not mandatory. Fuel cells may not be more than 15 gallons in capacity. Fuel cell must be securely fastened with minimum of two 2" x 1/8 metal straps inside in the trunk. No cutting of trunk floorboard when installing a fuel cell. A sheet metal firewall must separate the trunk from the driver's compartment. **Relocated fuel cells must be in the center of the car**
- B. **IF USING A RACING FUEL CELL AN AFTERMARKET FUEL PRESSURE REGULATOR MAY BE USED BUT MUST MAINTAIN STOCK FUEL PRESSURE**

15. FUEL INCENTIVE PROGRAM:

- A. The speedway welcomes New England Racing Fuels & Sunoco. We endorse New England Racing Fuels as part of our sponsorship program, where you, the racer can reap the benefits. You must be a customer and purchase fuel at the speedway; you then will become part of their "Fuel Incentive Program" and have a chance to be rewarded at the season year end banquet. We want to welcome John Holland and New England Racing Fuels to our family of sponsors to where you can be the beneficiary.

16. FUEL:

- A. It is not mandatory to purchase all Sunoco Fuel from New England Racing Fuels at the Speedway. Petroleum based automotive gasoline is the only fuel allowed. No alcohol, No methanol, No nitrous oxide or any other fuel additive may be used. See Fuel Incentive Program above 15 (A).

17. TIRES AND WHEELS:

- A. **No Racing Tires allowed. No Hoosier, American Racers etc.**
- B. Tires must be a DOT approved tire up to a 205 series (Width of tire) with no less than a 55 sidewall.
- C. 13 thru 16 inch rim sizes are allowed.
- D. Tires may be different sizes from front to back to manipulate gearing, **but** tires must be same size on the left side to the right side. No running larger tires on one side and smaller tires on the other side to increase stagger.
- E. Tread wear must not be any lower than 400, 400 covers all current and formerly produced regular DOT tires. **Anything** less than 400 is considered "performance" tire and is not allowed. Tires must have a minimum of 5/32 tread. No shaving of tires is allowed.
- F. **ALL WHEELS MUST BE STEEL.**
- G. Rims must be stock appearing with stock offsets only. Swapping rims is ok as in VW rims on a Honda, Saturn rims on Toyota etc. **No aftermarket or Racing Rims allowed. Tires and wheels must conform to all of the listed parameters above. Not following the tire and wheel rules listed above will result in a disqualification at post-race inspection.**

18. SAFETY EQUIPMENT:

- A. An aluminum racing seat is required.
- B. SFI Five Point Drivers Harness must be less than five years from manufactured date.
- C. Only Snell approved full face Helmets are allowed. It is highly recommended the use of a Snell SA2005 or newer full-face helmet.
- D. SFI Window net is required.
- E. SFI Fire suit required and must be in good condition, no holes, grease etc.
- F. SFI Racing Gloves required.
- G. SFI Racing Shoes are highly recommended. Proper footwear is required (Non-SFI sneakers will not be allowed).

H. Head and Neck restraints are highly recommended and should be used.

19. TRANSPONDER:

No transponder will be required for this divisions.

Illegal Parts- Absolutely no modifications, alterations, covering or removal of any logo, casting, or identification number from any part on the racecar. To do so will make the part illegal. All illegal parts will become the property of Monadnock Speedway. Any parts having passed through inspection unobserved shall not be considered legal. All reference to steel must be magnetic steel. Everything must remain OEM Stock unless otherwise noted.

All competitors must hold a Young Gun License or NASCAR Charger division license.

RACE PROCEDURES

The youth division is intended to give the opportunity for young drivers to gain valuable racing experience while having fun. The management expects all competitors, parents and crew members to show good sportsmanship towards fellow race teams. **No adult from another team is to approach a Young Gun Racer in a negative manner regarding an on track issue without their parent/guardian being present, if it is reported the adult will be removed from the pit area until further notice.** On Track issues is to be discussed with the Race Director. Fighting, disrespect, rough riding and out of control driving will not be tolerated!

1. All young guns are to park near the wood-line closest to the race track entrance unless otherwise approved. At every event, each young gun competitor must check in at the handicap tower located in the pit area before they go out to practice.

2. Practice Sessions: Young guns will have at least two practice rounds (as long as time permits), when your division is set to practice be sure you are ready to go and in line when called. **Practice session are for practice only, competitors are not to race each other.** Competitors may pass slower cars during practice as long as it safe to do so. At the end of practice, take one cool down lap.

3. The Young Gun racers will have heat races. The heat races will be determined by the previous week results (inverted handicap). For the feature, competitors with qualified cars will be lined up by the previous event handicap. New and/or inexperienced or drivers off the pace will start in the rear of the field until the Young Gun director states the competitor is ready to start in the position earned. The winner from the previous event will start as the last qualified car in the feature if qualified in the heats. The number of qualified cars at an event will be determined by the number of heats and number of competitors entered into competition. Competitors who miss a week will start last in the heat races. Competitors who feel more comfortable starting in the rear of the field can do so by letting the handicap tower know. **Competitors who win three feature events will start in the rear.**

4. **All Young Gun competitors must have a one way radio.** The Young Gun director will communicate with the drivers during practice and feature events. The communication is for safety purposes, the director will let competitors know if another competitor is passing on the outside or the inside and to hold your line. This communication is not be used for "blocking" another competitor from passing. The director may also use the radio to let the competitor know if they are over-driving and pose a threat to the rest of the field, if that is the case the competitor must obey the director and gain control of the car or be black flagged. The director will also use the radio if a competitor has something mechanically wrong with the car and you will be black flagged. If there is a mechanical problem, the director will let you know to park in the infield or if you can safely go into the pit area.

5. Entering the race track for practice, heats and features, the competitors must stay in single file. In the

beginning of the season, features will start as a single file start (the flagman will hold one arm up to signal single file). The director will decide and let all competitors know prior to the feature when the field is ready to start side by side (the flag man will signal "double up" by forming an X with his arms or flag).

6. If there is a caution the lights on the front stretch and back stretch will be yellow and the flag man will be waving the yellow flag. At all cautions, all competitors must slow down safely and form into a single file. The director will line you up using the radio for the restart. Under cautions, there is absolutely no hitting another competitor intentionally. If you are seen doing this, you will be black flagged. After one caution, the restart will be single file.

7. If there is a red flag, all competitors are to stop safely and not move until directed to.

8. PARENTS/GUARDIANS – YOU ARE NOT PERMITTED TO GO ONTO THE TRACK SURFACE UNLESS DIRECTED TO DO SO BY SAFETY CREWS. THE ONLY TIME YOU ARE PERMITTED TO GO TRACKSIDE IS DURING THE POST VICTORY CEREMONIES.

9. Pit Stops will be permitted under yellow flag conditions and **only to repair body damage** (for example loose bumper, fender, etc.) **or tire** change and will be given three courtesy laps from the time the competitor enters their pit stall. Engine problem repair will not be allowed under yellow. The competitor must go into the pit area at a **safe speed. If a competitor goes through the pit area erratically or at a high rate of speed deemed unsafe, the competitor will not be allowed to enter back into competition. If there are too many competitors driving too fast to reach the pit stall, the speedway will not permit pit stops for any competitor.**

10. On a start or restart, the director will communicate when the race will start.

11. Competitors who are in a caution must remain in the cars unless directed by an official or Speedway safety to exit the car.

12. When the flagman waves the white flag, there is one lap to go in the feature race.

13. When the checkered flag waves, the feature is completed. All competitors must take one cool down lap around the track. The top three will be instructed to stay trackside. All competitors who are in the top three will stop by the start /finish line and stay buckled in their car until the flagman or director states it is safe to get out of the car.

14. Exiting the race track surface, when the practice or feature is complete the competitors must exit the track to the pit area in a slow and cautious manner and return to your pit stall. All competitors need to be aware of the people and cars moving in the pit area and follow the flow of traffic.

15. If there are more than 16 competitors entered on an event, the track may elect to do two features or extend the laps and do one feature.

16. The Young Gun heat race will be eight laps and the feature event will be 10/15 laps (depending on car count).

17. There are no points awarded in the youth division. The management's decision not to award points is based to alleviate pressure from the young competitors and give them an opportunity to take part in other activities outside the track that may be scheduled on a race night.

18. All competitors who compete $\frac{3}{4}$ of the events will receive an award and be eligible to win Best Appearing or the Racing family of The Year award at the end of the year awards banquet.

19. Most Important (besides safety) is to HAVE FUN!!

Flag Rules:

1. **Green Flag** – Start or restart of race. All cars must hold their position until they pass the start/finish line.

On restarts you may pass when the green flag is displayed on the outside of a competitor. If you “jump” a restart, you will be penalized the amount of positions gained at the next caution or at the end of the race.

2. **Caution Flag** – (Yellow). The yellow flag and lights will be displayed. Cars are too slow down safely, hold their position and form into single file. LAP CARS ARE TO FALL BACK TO THE REAR OF THE FIELD. Competitor intentionally causing a caution as a single car spin may go a lap down. If a competitor is involved and or causes three cautions, the competition director may elect to have the competitor black-flagged.

3. **Single File Signal** – Flagman will extend his arms with one arm bent towards the sky.

4. **Double File Signal** – Flagman will cross two flags over or use a crossing over motion with his arms.

5. **Passing Flag** – (Blue with diagonal colored strip) This flag will be displayed when faster traffic is approaching a competitor. The competitor who receives the passing flag is to slow down and remain in the inside of the track to allow the faster traffic to pass safely on the outside. If a competitor disobeys a passing flag and races the leaders, they will be black-flagged.

6. **Red Flag** – When the red flag is displayed all competitors must come to a full stop safely. Do not stop abruptly by “slamming” on your brakes. All cars must remain stopped unless directed by an official. Repairs may not be done on the race surface during a red flag period. However, repairs may be done in the pit area under red flag conditions.

7. **Black Flag** – This flag is displayed for several reasons; smoke, fluid loss, visible damage, safety hazard, delay of race, flat tire or rough riding. If a competitor is blacked flagged for a mechanical problem, visible damage or a flat tire and can resolve the problem in the pit area through consultation with the technical inspector, the competitor will be allowed to re-enter competition on the next caution. If a competitor is blacked-flagged for unacceptable conduct or considered a safety hazard on the race surface, the competition director will make the decision whether the competitor will be allowed to re-enter into competition. Failure to obey the black flag, the scorers will stop scoring after three laps of being black-flagged.

8. **White Flag** – The flag is displayed at the start of the last and final lap of the race.

9. **Checkered Flag** – The flag is displayed when the leader is about to cross the start/finish line. If there is a caution on the last lap, the race may finish under a yellow/checkered display in which no passing for position is allowed or may be restarted with a white/yellow/checker finish. It will be under the judgment of the competition director. After the completion of race or practice, **all competitors must take one cool down lap and safely enter pit .**