



**MONADNOCK SPEEDWAY**  
**RTE 10 - WINCHESTER, NH**  
**603-239-4067 603-239-8800**

**"FASTEST HIGH BANK 1/4 MILE IN THE EAST"**

## OFFICIAL 2012 THUNDER STOCK RULES

This division is an entry level of racing. The rules listed have cost and fairness as the main consideration. These rules will be enforced to ensure all who participate an affordable opportunity to be competitive. Anything not covered by these rules must remain OEM stock for make, model and year being used (unless otherwise noted and/or approved). Upon inspection, track officials may penalize, fine, suspend, withhold money, points, or disqualify any competitor for any rule infractions. **If a competitor is disqualified for using illegal parts, the competitor may lose all points accumulated prior to and including date of disqualification (upon final decision of tech officials).** Any questions should be addressed to track officials, prior to assuming legality.

**Please Note: Monadnock Speedway will allow "Old Strictly Stock" Cars (who competed under the 2007 or older rules legally). Weight may be added to ensure equal competition.**

1. Any sedan or wagon with a minimum wheelbase of 101" is eligible. All cars from the year 1990-2002 must be stock for make, model and year (Competitors who have competed with an enduro car that the make/model year is prior to 1990 will be "grandfathered" into competition). No parts may be interchanged. No off road or high performance after market parts allowed. The car must be complete bumper to bumper and OEM stock. No sports cars. VIN number must not be removed or tampered with.
2. The burden of proof is upon the competitor for the identification of any and all parts during inspection.
3. **ROLL CAGE, RACE SEAT & RACING HARNESS ARE HIGHLY RECOMMENDED FOR YOUR PROTECTION FROM INJURY** but not required, when used, its design **may not reinforce** the body or frame. Its only use is to protect the driver. No bracing allowed. 4-point roll cage (see attached illustration).
4. All doors must be welded or chained shut.
5. All glass must be removed except the windshield (may use LEXAN for windshield) all cars must have an approved windshield (no cracked or wire windshields allowed). **All glass (except for the windshield) must be removed prior to entering speedway property.**
6. The interior of the car must be gutted. Floors must be safe and in good condition, no rust. All "debris" must be removed from the car prior to entering competition.
7. A combination seatbelt-shoulder harness (**in good condition**) and a window net are required and must be **approved by track officials. COMBINATION OF A ROLL CAGE, RACING SEAT AND RACING HARNESS ARE HIGHLY RECOMMENDED.**
8. Bumpers-- holes must be drilled through the bumper and be chained to the frame of car. Bumpers must be stock type (no channel type or battery ram type bumpers allowed and must be approved by the speedway). Bumper covers may be stock, fabricated stock appearing or aftermarket stock appearing.
9. Hood and trunk latches must be removed. The hood and trunk lid may be skinned and must be secured with rope or hood pins, no chains.
10. Hood must be in place at all times as well as other body panels.
11. Suspension system must remain stock with no modifications (unless otherwise listed below):
  - a) 5 1/2" diameter stock appearing racing springs allowed, must be in stock location.
  - b) **Rear jacking bolts allowed**, adjustable spacers allowed.
  - c) All bushings must be OEM stock rubber, no solid or polyurethane allowed.
  - d) All control arms and suspension components must be OEM stock and in stock location using stock mounts.
  - e) Aftermarket racing shock allowed, maximum retail value "off the shelf price" not to exceed \$60.00 per a shock. No modification allowed and must use stock mounts and remain in stock location.
  - f) Stock diameter sway bars only, may use adjustable mount on left only. All other links must be OEM stock.
12. Tires: 7" max stock passenger radial tires, No truck, racing, or recap tires allowed. No Shaving, Tire Conditioners/ Softeners allowed. Pirelli, Blizzak, Hoosier as well as other **high performance brand tires are not allowed.** Tires shall not Durometer less than 50 at post-race inspection. **Tires must be approved by track officials.** Tires will be measured at 25 lbs. pressure, **from outside to outside of tread, no tire shall exceed 7.5"**
13. RIMS--Racing or wagon wheels are optional. Offset must remain stock for make, model and year of car. **All four wheels must have the same offset.** Max. 7" wheel
15. **Weight Rule:** minimum of 3100lbs (after completion of the race with driver) with 55% left side. **"Old Strictly Stock" (under 2007 rules or older) type cars minimum of 3150lbs, 55% left side.**
16. All added weight must be in no less than 5 lb. block form and securely mounted with no less than two 1/2" bolts. **All weights must be mounted inside frame rails** and shall maintain a 6" ground clearance. Weights added to rear frame horns shall not extend below the bottom of the fuel cell container. All added weights must meet official's

approval! No added weight will be allowed in driver's compartment. All weight requirements are subject to change. **Weight must painted white and be marked with car # and division.**

17. All cars must maintain stock tread width. Front wheels may be reinforced to prevent their loss during the race with plating, washer or double nuts.
18. Engine must be OEM stock from manufacturer for the year, make and model being used, no aftermarket parts and be on original mounts. Max cu. in. for GM 350 cu in. Ford-460 and Chrysler 440. All replacement parts must meet stock specifications. Absolutely no exceptions. No flattop or dome pistons. Fuel injection cars allowed, must remain stock for make, model and year. No multi-porting, throttle body only.

#### **FULL SIZE ENDURO ENGINE RULES (DEFINED):**

- Engine bore - .030 over is maximum allowed.
  - All engine parts must be OEM stock, unless listed otherwise. No corvette parts
  - Engine mounts- must be (OEM) stock and remain in stock location on both frames & block; mounts may be welded solid (no aftermarket mounts allowed).
  - Camshaft - 460, maximum lift at both intake and exhaust valve with 0 lash. Cam measurement shall not exceed .30666.
  - Lifters- Stock O.E.M. hydraulic valve lifters only.
  - Valve covers -may have aftermarket breathers
  - Oil pan- must be stock appearing; baffles and windage trays will be allowed.
  - Crankshafts -must be (OEM) stock. Stroke must remain stock, normal balancing will be the only modification allowed, no lightening.
  - Connecting Rods-(OEM) stock or exact stock replacement (5.7" only). Minimum rod weight will be 600 grams.
  - Pistons – Stock Dish pistons only. No flattop or dome pistons.
  - Heads – Stock OEM for the make and model of car.
19. Carburetors. One stock 2 or 4 bbl. carburetor only. **“Old Strictly Stock” type cars are not permitted to use a 4 bbl. carburetor** . No modifications allowed. No Power adders - turbo/super chargers/nitrous oxide.
  20. Manifolds – Stock OEM intake manifold for engine being used (cast iron only). No modifications allowed (no porting, grinding or polishing). No high rise or spacer blocks. **Exhaust headers are optional, street type headers only.**
  21. Stock transmissions only.
  22. Torque converter must be O.E.M. Stock and meet all stock specifications. No after-market torque converters
  23. **Clutch, pressure plate and flywheel-must be stock (OEM) or 100% (OEM) stock replacement. Blow shield must be used. GM Flywheel and clutch assembly must be stock GM OEM or GM OEM replacement only. Minimum size clutch disc and plate is 10.4". Total Assembly minimum of 31 lbs. No Paddle Clutches.**
    - a) **Flywheel minimum weight 15 lbs (without bolts)**
    - b) **Clutch Disc minimum weight 3 lbs**
    - c) **Clutch Cover minimum weight 13 lbs**

**(without bolts)**

**No aluminum, titanium or carbon fiber parts. No turning or drilling allowed. No Super Clutches.**

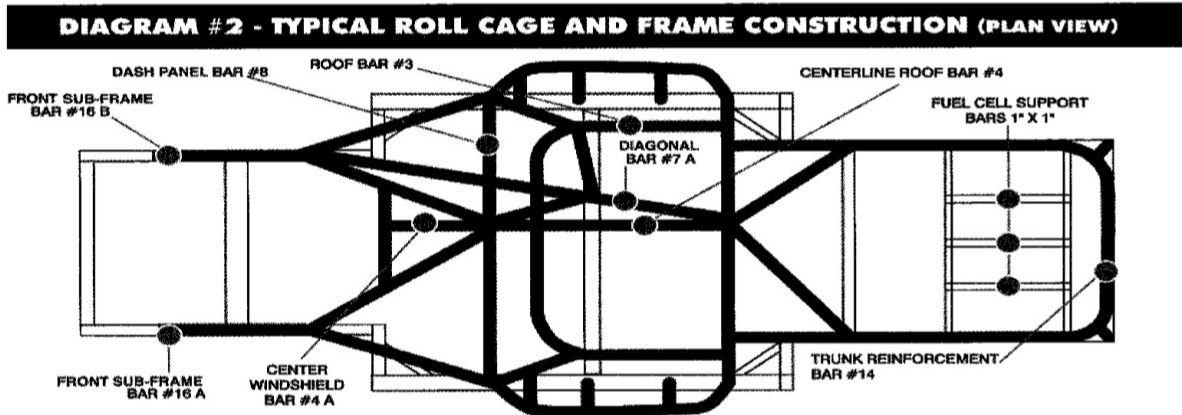
24. Racing radiators allowed in stock position, core supports may be fabricated. No auxiliary cooling systems. **NO ANTIFREEZE!**
25. Gas tanks, stock location unless specified by an official. No gas lines inside the car. Fuel cells are recommended and may be lowered; the bottom of the cell container must be at least 2" above the bottom of the differential housing and centered in the rear of the car.
26. Fire Wall-- If a fuel cell is mounted in the trunk area, a firewall of no less than 20 gauge steel must be installed and approved. Trunk floor may be removed up to rear firewall (must have firewall).
27. Batteries may be moved from stock location (not to be placed in driver's compartment), must meet approval and be securely mounted.
28. Headlights, taillights, directional lights and all chrome body trim must be removed.
29. Mufflers are mandatory. An unaltered Lobak 35-12-35 will be the only muffler allowed. Mufflers must be removable for inspection. All cars must pass the speedway's D.B.A. test.

#### **ENDURO - Race Rules**

1. All ENDURO cars will be directed to park in a designated area.
2. A Monadnock Speedway competitor who regularly competes in a NASCAR racing division may participate **in the last enduro event but will not be awarded points or money.** Must be 16 years or older to compete (must provide valid proof of age). **Competitors 16 & 17 years old must have a minors release form signed by parent or legal guardian. Competitors 16 & 17 years old must have a parent or legal guardian present during the event.**
3. **All competitors must wear a driver's suit, an approved D.O.T. helmet, shoes or sneakers.**
4. All drivers must register their car prior to practice or by 7p.m. unless otherwise stated (late registrations will start in the rear of the field). Feature winners start in the rear of the field. Drivers must have their car inspected for safety prior to competition (it is the responsibility of the driver to notify inspector when arriving for inspection).
5. All competitors must obey all track officials, the flagman will indicate when to start or stop for caution, the halfway lap, the final lap and the checkered flag. Competitors not obeying the red flag or black flag will be penalized.
6. **Car number must be a minimum of 20" in height on each side door and the roof, facing the grandstands. All numbers must be legible from the scoring tower.**
7. No profanity on your cars.
8. No profanity or derogatory comments regarding Monadnock Speedway or fellow competitors allowed on the scorecards.
9. Racing must be confined to the race surface. Do not intentionally cut through any part of the infield to gain positions, you will be immediately disqualified. **Damage to infield grass and property of Monadnock Speedway will not be tolerated.**

10. Mandatory drivers meeting will be announced on race day.
11. Each competitor MUST provide a scorer. Flop clock timing used. Cheating on scorecards is not tolerated and will result in disqualification. **Monadnock Speedway is not responsible for scoring errors! Please designate a scorer wisely. Scorecards must be turned in immediately after the feature event.**
12. **Protesting finishes must be done within 15 minutes of when the results are posted. Results are posted after the feature event on the white board.**
13. Starting positions determine by luck of the draw upon pit entry. Feature winners start in the rear of the field. **When a feature winner enters the race surface for the feature event, they must drop to the rear of the field.**
14. The safety of the car is the sole responsibility of the competitor. However, a tech official has the right to prohibit a competitor from competition if the car is noticeably unsafe.
15. The driver will be the only one allowed in the car, riding on the outside of the car will not be allowed.
16. All drivers must maintain a safe speed while traveling in the pits, all violators will be fined and/or disqualified and face future suspension /fines.
17. No pit crew to driver communications during the race. No radios.
18. Only MONADNOCK SPEEDWAY may claim a car. (\$500.00)
19. Two abreast running start with competitors holding starting position until green flag is displayed, the field will be stopped at the start/finish line to ensure the remainder of the field enters the race surface safely and in position. Once all competitors are on the track, the flagman will display a yellow caution flag. When the yellow flag is displayed it is the responsibility of the pole-sitter to set the pace to the green flag start. **The pole-sitter must set a steady (not too slow /not too fast) pace until the green is displayed.**
20. The red flag will be used for caution periods. A red flag will be displayed when the track is blocked or an extremely dangerous situation occurs. Racing will resume with cars in same position prior to the red flag. Moving under red flag conditions will result in loss of laps or lap times (unless directed by an official or staff member).
21. Any loss of tire or wheel requires immediate exit from the race surface, to prevent damage to the racing surface.
22. Rupture of gas tank or loss of gas or any fluids requires immediate black flag and exit from the race surface.
23. Rough riding during an event will not be tolerated, the black flag will be displayed and disqualification will occur.
24. Pit stops are allowed. Re-entry to the track will be allowed as the ramp official indicates. Pit stops will ONLY be permitted under green flag conditions. During red flag conditions you may not exit or enter the track (unless directed by an official) or you will be penalized. **ALL REPAIRS ARE DONE IN THE COMPETITOR'S PIT STALL, NO REPAIRS CAN BE MADE IN THE PIT AREA OUTSIDE YOUR PIT STALL.**
25. If you are not able to make it into the pit area due to damage or mechanical problems and safely pull your car into the infield.
26. No competitors are to get out of their cars until a red flag is displayed. Under green flag conditions, you must keep your helmet and belts secured. Competitors exiting their cars in the infield must continue to watch the race from the stage area. If you are being towed, do not leave your car.
27. At the completion of a race, all cars will be detained at the entrance to the pits until the order of finish has been decided by the score cards. Top ten finishers are not allowed to "load up" until notified by a track official. Top five must report to scales after the completion of the race. Officials reserve the right to weigh any regardless of finishing position.
28. Post race inspection will then take place in a designated area where cars will be inspected; anyone who fails to comply with this procedure will automatically be disqualified.
29. The only way a car will be allowed to leave the speedway is on a flatbed, trailer, or wrecker. **NO TOW BARRING A CAR FROM SPEEDWAY!**
30. Points are awarded for the top twenty-five finishers at an event, points are awarded to the driver who competed in the event. To receive points, the competitor must be a NASCAR licensed member.
31. Any competitor winning three races during a season may be directed to put more weight on to equalize the field.
32. **Thunder Stock cars are not allowed to compete in the ANY OTHER Division if they are registered to compete in the Thunder Stocks on the day of the event, they are underpowered and not close to the lap times of another division or not legal (per official) to compete in another division. PLEASE NOTE: PRIOR PERMISSION NEEDS TO BE OBTAINED BY MANAGEMENT!**
33. **ALL ILLEGAL PARTS WILL BECOME THE PROPERTY OF MONADNOCK MOTOR SPORTS. FAILURE TO ABIDE BY THIS RULE WILL IMMEDIATELY DISQUALIFY YOU, THE COMPETITOR, FROM THAT EVENT. ALL DECISIONS MADE BY MONADNOCK MOTOR SPORTS ARE FINAL.**

RULES ARE SUBJECT TO CHANGE AND WEIGHT MAY BE ADDED TO ENSURE AN EQUAL AND COMPETITIVE RACING DIVISION.



If competitors hold a NASCAR license, they will receive a discounted pit admission (\$25.00 pit fee) and a discounted entry/registration fee (\$10.00 to register). If a competitor is a non NASCAR member, the pit fee will be \$35.00 with a registration fee of \$20.00. Every competitor must register the day of the event at the enduro registration booth in the pit area.