

# 2009 Mt. Lawn Speedway Thunder Car Rules

## ELIGIBLE MODELS

1. Any rear wheel drive full-sized car with a wheelbase of not less than 108 inches is eligible. No T-tops.
2. 113 inch wheelbase cars - minimum 3200 lbs
3. 108 inch wheelbase cars - minimum 3300 lbs
4. Left side maximum 56.0%. All lead must be painted white with car number, and bolted to frame.

## BODY AND FRAME

5. Complete bumper to bumper steel body and frame must be retained.
6. The O.E.M steel floor pan, firewalls must remain.
7. The only modifications allowed to the floor pan, firewalls are to repair rusted areas and patch holes.
8. Frames must remain O.E.M.
9. A switch and push button may replace the key switch. Steel rod with Heim may be used for steering column.
10. All doors must be welded chained or bolted shut.
11. All bumpers must be secured by means other than O.E.M. (extra bolts, chains or welded in place.)
12. Front and rear hoop bars are allowed.
13. All glass, headlights, taillights, and mirrors must be removed, except for the front windshield.
14. Full front windshield is required, no screens or plastic lexan is accepted.

## ENGINE SPECIFICATIONS

15. Engine must be in O.E.M. location.
16. No modifications of O.E.M. heads and intakes is allowed, such as porting or polishing.
17. After market cylinder heads will be allowed, must be straight plug, MUST ADD 75 LBS.
18. Engine swapping between makes is not allowed.
19. Engine must be from the same corporation as the body and frame.
20. All cars must have O.E.M. cast iron exhaust manifolds. No center dump styles allowed.
21. Exhaust must terminate behind driver within 18 inches of rearend housing.
22. Maximum exhaust pipe outside diameter is 2 1/2 inches.
23. A maximum of 2 exhaust pipes. No 3" or 4" collectors will be allowed.
24. Carburetors must be O.E.M. for the make and model of the car.
25. All intakes must be cast iron.
26. One carburetor gasket allowed and no carburetor spacers allowed.
27. Box Stock 4412 may be used with \$150.00 claim rule or swap for an identical model carburetor from claimers car.
28. Ignition system must remain completely O.E.M. No aftermarket distributors, MSD boxes or addon electronic amplifiers will be allowed.
29. Aftermarket aluminum radiators are allowed, overflow hose must exit at right side windshield.
30. Radiator must be in original location.
31. No antifreeze allowed.
32. All cars must use an O.E.M. automatic transmission with at least 3 forward gears and reverse.
33. O.E.M. rearend housing must be used, LOCKED OR OPEN.
34. Cars must have functional brakes on all four wheels. Brakes must be O.E.M.
35. No brake bias devices allowed.

## SUSPENSION

36. FRAMES MUST MAINTAIN 6" GROUND CLEARANCE.
37. The following suspension parts must remain absolutely O.E.M. and unaltered for the make and model of car. A-Frames, Spindles, Shock Mounts, Spring Pockets, and Cross Members.
38. The right and left side of the frame must measure within one inch of level.
39. All cars must use steel wheels. No mag, aluminum or slotted wheels allowed.

- 40. Maximum wheel width 8".
- 41. No wheel spacers allowed.

## TIRES

- 42. Only American Racer Tires purchased through Motion Motors will be allowed. (765) 533-4849

## GAS TANKS

- 43. Tanks must be installed above trunk floor, as far forward as possible and securely mounted. O.E.M. gas tank or a 6 gallon marine type steel tank may be used. Fuel cells recommended.
- 44. Fuel lines will not be allowed in drivers compartment. Fuel line from trunk to engine compartment must be steel or steel braided. NO copper or rubber.

## SAFETY

- 45. Hans, Hutchens or neck collar and window nets are mandatory.
- 46. A four-post roll cage is required with door bars in driver's door only. Padding the roll bars is mandatory.
- 47. Battery must be safely and securely mounted with a steel strap. A battery that is mounted inside the driver's area must be located directly behind the driver's seat and covered.
- 48. A complete firewall must seal trunk area from driver's compartment.
- 49. All driver's must use an approved five point safety harness with crotch belt. Racing seats recommended.

## ? POLICIES

- ? 1. None of these rules are meant to imply or guarantee if followed those said rules will prevent injury or death.
- ? 2. The definition of stock part: A part that was mass-produced for the auto industry, not aftermarket.
- ? 3. The definition of O.E.M. : As it was produced by the original manufacturer for the make model and year of a particular car or style of car. ( Original Equipment from Manufacturer )
- ? 4. Any subjct not specifically addressed in these rules does not imply approval.
- ? 5. The interpretation and intent of these rules and any subject not specifically addressed in these rules will be left to the discretion of the track officials. Track officials reserve the right to inspect any part of any car at any time. ILLEGAL parts will be confiscated and kept.
- ? 6. All cars must have some type of wrecker hookup.

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