2009 V8 Thunder Stock Rules

This is a protected class for Rookie entry-level participants only. Any one with PRIOR racing experience MUST receive approval from Citrus County Speedway before competing. For fairness of competition Citrus County Speedway Management reserves the right to promote any driver out of the Rookie division at any time during the racing season. Participants will be automatically move out of the class for the following reason:

1. Drivers that win three (3) features in a row or drivers that win four (4) features within a race season.
2. Drivers that compete in any other class or division.
3. Drivers that has competed in a total of sixty (60) races at Citrus County Speedway.

All interpretations by the track are final and you are responsible to know the track's position on all rules. **IGNORANCE IS NO EXCUSE!**

Car:

1. Any 1970 or newer American made sedan or station wagon with a minimum wheelbase allowed is 101 " wheel base as factory listed for that year, make and model. No convertibles or sub compact cars.

Car Weight:

1. Minimum weight with original driver will be 3300 lbs at all times and a maximum of 53% left side weight. No tolerance.
2. Manual transmissions must add an additional 100 lbs. making the total weight with original driver 3400 lbs. at all times.
3. Weight may be added to any single competitor for the fairness of competition at track discretion. (I.E. visiting competitors from another race track or 3 or more wins)
4. Penalty weight for multiple wins will be lifted at the start of the following year.
5. All lead or ballast must be painted white with the car number on it and attached with 1 1/2 " bolt per 50 lbs.

Body:

1. Complete factory stock body for year, make and model.
2. No modifications or alterations of any kind except as outlined below.
3. Doors may be replaced with 18 gauge (.047") steel.
4. Removal of interior parts which can be removed with hand tools okay. All flammable interior parts must be removed.
5. Left and right doors may be gutted to install roll bars.
6. Window channels on doors may be removed.
7. Four door cars may remove center door posts for roll cage installation. All other posts must remain as placed by manufacturer in it's original location.
8. Hoods must close in original stock position, retain original stock configuration with no holes in it except for hood pin holes.
9. Hood must have three (3) hood pins in the front and two (2) hood pins in the rear if hinges are not used.
10. Hood and truck lid may not be gutted.
11. Front inner fender panels may be removed.
12. Fenders may be trimmed for tire clearance.
13. Complete floor pan and firewall must be retained.
14. Trunk floor may be gutted between frame rails and 3" in front and in back of fuel cell for fuel cell installation.
15. Side windows okay. Driver and passenger window must remain open with the exception of the window net.
16. All cars must have a clear windshield (lexan strongly recommended) with 4" white numbers and class identification in the top right corner. No Plexiglas.
17. All stock unaltered body mounts and rubbers must be retained.
18. May replace radiator support with a minimum 1 ¾ O.D. .095 wall pipe and 2 rearward braces that must end in front of A frames. No sharp edges.
19. May use pipe bumpers. Maximum 1 ¾" od .095 wall pipe with 1 top loop and 2 rearward braces that must end in front of A frames.
20. Front and rear bumper covers okay.
21. No spoilers unless factory stock.
22. No side skirts.

Chassis and Suspension:

1. OEM suspension Front and Rear. Completely factory stock.
2. No cutting, heating, arching, or de-arching of the springs.
3. No racing shocks to include: Pro, Carrera, Bilstien, Koni, QA1, AFCO or etc. *(If you are not sure ASK!)*
4. Neoprene sway bar bushing okay.
5. Camber 1" maximum measured at top and bottom bead stop on rim. No Tolerance.
6. May use OEM replacement offset upper control arm shaft.
7. Upper control arm bolts may be replace with a 3" maximum length bolt and must still not exceed the 1" camber rule.
8. OEM replacement rubber control arm bushing only.

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Engine: $600 ($300 for Top and $300 for Bottom)

1. Stock for make and model.
2. GM 350, Chrysler 360 Ford 351 max. All Fords will be allowed 351 c.i.. and GM Metric cars will be allowed 350 c.i.
3. May use 400 c.i. or bigger in any car with 112” wheelbase or longer. Engine must be stock for year, make and model
4. No small block 400 c.i.
5. No high performance engines or engine parts.
6. Engines must remain strictly stock as produced by manufacturer unless stated otherwise herein below.
7. Maximum over bore allowed is .060
8. Stock crankshaft with stock stroke +/- .010.
9. OEM four eyebrow flat top piston OK.
10. OEM rods
11. Rod bolts are builder choice.
12. Heads 73 cc minimum. No angle milling.
13. Three (3) angle valve job okay. Final cut no greater than 75°.
14. Stainless steel valves okay. No cut back, tulip or neck down valves.
15. Replacement screw in studs okay.
16. Poly-locks okay.
17. Bronze guides okay.
18. OEM length and diameter push rods only.
19. Maximum cam lift is .420 theoretical valve lift. Lifters must pass a leak down test.
20. Must pull a minimum of 17" of vacuum at 1,000 rpm’s.
21. Stock unaltered carburetor for make and model. May remove choke plate and linkage.
22. Any solid metal air cleaner top and bottom.
23. Any valve covers.
24. Aftermarket pulley, aluminum radiator and power steering pump okay.
25. Stock oil pan. Baffles may be installed. No crank scrapers.
26. Double row timing chain okay. No advancing or retarding of camshaft.
27. No porting, polishing, painting or grinding of any internal engine components except of oil return holes in heads and block may be opened up for better oil return only.
28. Engine must be in stock location in factory mounts.
29. No chaining, strapping or tie engine down.

Ignition:

1. 12 volt battery fired ignition only.
2. OEM distributor or ignition.
3. No locking or altering of distributor.
4. No high performance ignition modules.
5. No high performance ignition coils.
6. May change advance weights and springs.
7. Alternators okay.

Drive Train: *(continued)*

1. Rear end must be strictly stock for make and model of car. Welded rear end okay. No aftermarket lockers of any type.
2. Mini spools okay.
3. Must have stock automatic or manual transmission with all gears working.
4. Manual transmissions must add 100 lbs.
5. Factory transmission mounts and cross members only.
6. 25 lbs. minimum weight for manual transmission flywheel.
7. 10” minimum diameter working torque converter.

Brakes:

1. Factory stock braking system only.
2. May remove power brake booster.
3. May use factory stock rear disc brakes for year, make and model. Add 100 lbs.
4. All 4 brakes must work at all times.
5. No brake bias or shut off devices.

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Exhaust:
1. OEM cast iron manifold only. No center dumps. 2” maximum outlet.
2. Exhaust pipe must exit pass the driver and no larger than 2 ½ inches all the way.
3. Must have over the counter muffler. No Shorty or racing mufflers.

Fuel:
1. Maximum of 22 gallon fuel cell mandatory. Cutting the trunk for the fuel cell is permitted.
2. Fuel Cell must be 22 gauge steel and must have fuel cell protection bar.
3. No fuel additives.

Wheels and Tires:
1. Maximum 8” steel wheels only.
2. Any offset but all 4 must be the same.
3. Minimum 7/16” studs with 1” lug nuts on all four (4) wheels.
4. DOT 70 series radial maximum. All four tires must be same size. No LT, trailer, truck or racing tires. No recaps.

Safety:
1. The Citrus County Speedway officials may inspect any car and/or equipment at anytime for compliance. All cars must have initial safety inspection each season before they race.
2. All required safety equipment and apparel must be in use while the car is on the race track.
   a. Racing helmet with min. Snell 95 rating. Neck brace recommended. Fire suit with sfi min. Rating of "i". No holes or torn fire suits allowed. Fire resistant gloves, shoes and socks must be worn at all times car is on track.
3. A minimum 4 point roll cage must be steel pipe or tubing, a minimum of 1 ½" (1.50") outside diameter with minimum .095 inch wall thickness. No square tubing or galvanized pipe allowed. NO exceptions!! Roll bar padding required around driver.
4. An engine kill switch must be mounted in the window net area and easily accessible by the driver and from the outside of the car. The switch must be clearly marked “Ignition switch” and show on and off positions.
5. All cars must have a fire extinguisher (minimum 2 lbs.) securely mounted within easy reach of driver. The mounting must be in such a way that the driver can quickly remove it from its mount. Wrapping duct tape around the extinguisher or any other material that will prohibit that easy removal of the extinguisher is not acceptable.
6. A single, quick release, 4 point harness (minimum 3 inch belts) dated 2004 or newer is required in all vehicles. All belts and installation shall be approved by the safety officials. Sternum straps are okay. All required belts must be in use at any time the car is in motion on the track. Racing harness must be attached to roll cage.
7. Window nets are required on the driver's side of the car and must be securely mounted. Nets must latch at the top and be operational from inside and outside of the car. Drivers must be able to get out of either side of the car in case of emergency.
8. Aluminum racing seats mandatory.
9. Drive shaft must be painted white and include the car number. Drive shaft loop will be a 5" diameter steel loop, 1" wide and 1/4" thick. It must be securely mounted to the frame 12" from the front universal. Must have one on rear drive shaft.
10. Battery shall be secured to frame of car and must be encased. The Lead ballast must be painted with car number and secured with one 1/2 inch bolt per 50 lbs. It is your responsibility to make sure your ballast stays in you car for everyone's safety. Loose ballast on the track is not acceptable.
11. Throttle toe strap is mandatory. Linkage must have two (2) return springs.
12. Fuel Cells mandatory in all divisions:
    a. Securely mounted behind driver and behind rear firewall. No rigid filler spouts shall pass through body. Fuel cell must be contained in an approved steel container. All fuel cells must have check valve in vent line.
    b. Fuel cells must be a minimum of 8” off the ground and rear protection bar minimum 1 ¼” .095 bar, 2 straps minimum 1” width, surrounding the ENTIRE fuel cell. Fuel cells must be bolted. NO RIVETS – NO SHEET METAL SCREWS.
13. All cars must have a front and rear tow hook ups. We are not responsible for damage to your car.
14. All cars must have a clear windshield that the driver can be able to see through.
15. All cars must have a radiator over flow can. Water is the only acceptable coolant.

All standard transmissions must have a scatter shield or protective shield approved by tech

The track reserves the right to add weight at its discretion for the fairness of competition.

READ THE GENERAL RULES !!!!