

THUNDER VALLEY PROMOTIONS 2010 RULES

Please note changes to the 2010 Rules. Please read carefully. If car does not pass inspection or driver is unwilling to change car to pass inspection, absolutely no refunds!!! All rules will be followed or you will not run! If it does not say it in the rules – don't just assume you can do it. CALL FIRST!!!!

1. THUNDER VALLEY HAS THE RIGHT TO REFUSE ANY ENTRY AND SPECTATOR ADMITTANCE.
2. All cars should be signed in one hour before race time and inspected 1/2 hour before race time. Late fee will apply, drivers \$50 and riders \$40. This is to ensure the race starts on time.
3. No reinforcements allowed other than specified below. Any metal added to reinforce the car is illegal.
4. NO PAINTING, UNDERCOATING, OILING OR GREASING OF FRAMES. YOU WILL NOT BE INSPECTED. YOU WILL BE LOADED.
5. NO HITTING IN DRIVERS DOOR, but no using driver door as a shield. If the hit is deemed by the official to be careless or intentional, you will be disqualified. If you use your driver's door as a defense, we will not enforce the rules. If you use the door defense repeatedly you will be disqualified. This will be at the judges' discretion.
6. NO hot-roding in the pits! Keep it at an idle.
7. Any open door or second fire will cause disqualification. If in a heat, you may fix it and come back in the consolation. In the feature, you will be disqualified.
8. Sandbagging is not tolerated and will be strictly enforced. Locking up the brakes prior to a hit for anything other than a driver's door will be cause for disqualification. The fans pay to see a show, put one on for them!
9. You must make AGGRESSIVE contact every 60 seconds.
10. IF YOU THINK SOMEONE IS SANDBAGGING, HIT THEIR CAR WITH YOUR CAR ON THE TRACK.
11. YOU WILL BE GIVEN AMPLE TIME FOR RESTARTS. WE DO NOT USE THE CLOCK EXCLUSIVELY. WE TRY TO WORK WITH YOU IF YOU ARE HUNG UP. HITTERS GET MORE TIME THAN SANDBAGGERS.
12. Cars are subject to re-inspection before any prize money is handed out. Cars found illegal will be striped of all prize money for that event.
13. Any questions or controversies will be discussed at the drivers meeting.
14. YOU MUST HAVE AT LEAST A 15 X 15" ROOF SIGN WITH YOUR CAR NUMBER ON IT. MANDATORY!!
15. An entry fee of \$35 will be charged for each car entered. \$25 for passenger. Fees must be paid prior to inspection. NO REFUNDS WILL BE MADE DUE TO FAILURE TO MEET REGULATIONS!
16. All drivers must pick up trophies and earnings at the completion of the event, or forfeit. They will not be available after that date.
17. All persons MUST sign entry form, insurance waiver, release form, pay entry fees, and purchase pit pass before entering pit area.
18. THERE IS NO ALCOHOL IN THE PITS. This includes pit crews. If you or ANY of your crew is caught with alcohol, you will be disqualified.
19. No harassing of the judges will be allowed at any time by drivers, passengers, crew members or spectators. Failure to abide by this rule, the driver will forfeit all money and all involved will be escorted from premises.
20. All drivers & Riders MUST be 18 years or older. MUST be able to provide proof of age at the request of officials. Persons under 18 years old MUST have parents or guardian sign minor waiver and release form. NO EXCEPTIONS.

AUTOMOBILE BODY REGULATIONS ALL JUDGES DECISIONS ARE FINAL

1. Passenger cars or station wagons only. No trucks, jeeps, hearses, or limousines. NO CHRYSLER IMPERIALS 73 & OLDER AND NO IMPERIAL SUB-FRAMES. Cars previously run in Demolition Derby may install new front clip. Any clip may be used on any car, MUST be installed in stock manner. Officials MUST approve installation.
2. All glass, side windows, rear windows, headlights and taillights, must be removed before reaching

- racetrack. Rolling down windows is not permitted.
3. Rear seat of sedan must be removed, top and bottom. On station wagons all seats and decking must be removed. Station wagons must be emptied to floorboards. All cars must be swept clean, both drivers compartment and trunk. No spare tires, broken glass, or trash, etc., allowed in cars.
 4. Cars must have a seatbelt and working brakes. MANDATORY!!
 5. You can carry a fire extinguisher, but it must be mounted securely and free of movement.
 6. Battery may be moved, but must be securely fastened and covered in passenger compartment. MAXIMUM OF TWO AUTOMOBILE TYPE BATTERIES ALLOWED.
 7. Any type automotive radiator may be used but must be mounted in stock position. NO RESERVE TANKS. One electric fan may be used.
 8. Fenders may be bolted together with 3/8 inch bolts or smaller with 3/8 inch or smaller washers only. A maximum of 10 bolts per fender.
 9. All doors may be welded, chained or wired. Straps should not be larger than 1/8 inch thick or 4 inches wide.
 10. Body seams may be welded from front of front doors forward (measured from outside car). No metal may be added. Body cannot be welded to frame anywhere, but front inner fenders may have a 2 inch weld then skip 2 inches and repeat NO METAL MAY BE ADDED. No other body welds.
 11. No doubling of body panels allowed, no added metal allowed.

HOODS, TRUNKS, AND BODY BOLTS ALL JUDGES DECISIONS ARE FINAL

1. Hoods must have two (2) holes, at least four (4) inches in diameter on each side of carburetor – Not directly on top of carburetor. IF HOOD IS REMOVED, EITHER FAN BLADE MUST BE REMOVED OR FAN BELT MUST BE CUT.
2. On all cars, hoods, trunks, and tailgates may be secured with the following method: on front of car, two pieces of 1 inch all thread, with a washer no larger than six (6) inches O.D. and 3/8 inch thick, all threads MUST be mounted outboard of the radiator. In addition to all threads, six (6) 1 inch O.D. bolts with a washer no larger than six (6) inches O.D. and 3/8 inch thick, or you may use angle iron back to back with a bolt through it. Angle iron cannot be more than 3/16 thick or longer than 6 inches. Three on each side of car, a total of six. Total of 6 bolts holding the hood down and any amount of wire or cable. All wire, or cable MUST be mounted outboard of radiator. A maximum of 50 bolts 3/8 inch or smaller are allowed to bolt together hood seams. On deck lid of car, two pieces of 1 inch all thread, with a washer no larger than six (6) inches O.D. and 3/8 inch thick, all threads may be mounted anywhere on deck lid. In addition to all threads, you may weld solid or six (6) 1 inch O.D. bolts with a washer no larger than six (6) inches O.D. and 3/8 inch thick, and any amount of wire or cable. On station wagons two pieces of 1 inch all thread, with a washer no larger than six (6) inches O.D. and 3/8 inch thick, all threads may be used in the rear through roof and stock body mount replacing existing bolt. In addition to all threads, you may weld tailgates solid or six (6) 1-inch O.D. bolts with a washer no larger than six (6) inches O.D. and 3/8 inch thick, and any amount of wire or cable.
3. All other body mount bolts may be replaced with 1 inch O.D. bolts with a washer no larger than six (6) inches O.D. and 3/8 inch thick. Body mount bolts inside passenger compartment that are close together may have one washer six (6) inches x twelve (12) inches, must have two (2) or more body mount bolts through washer. You may add two (2) additional body mount bolts per side inside passenger compartment. All all-threads MUST have nut on top and bottom and NO welds.
4. A minimum of one bar, chain, or wire running from the outside (top) of roof down to the cowl on the front window is MANDATORY for safety. Maximum of two. REAR WINDOW BARS ARE NOT ALLOWED!

CAGE AND HALO BARS ALL JUDGES DECISIONS ARE FINAL

1. All doors may be welded and reinforced. You should have a six (6)-point cage, cross bars may be ran as follows, one across dash, one behind front seats, and one in rear seat area. You can run four (4) down tubes, two (2) per side. ALL DOWN TUBES MUST BE BEHIND DASH BAR, STRAIGHT UP AND DOWN AND ON FLAT PART OF FRAME. CAN NOT GO TO BODY MOUNT BOXES. NO KICKERS TO REAR OR FRONT HUMPS. Nothing out of drivers' compartment. No grater blades, metal plates or tubing on exterior of body (driver & passenger doors).
2. Halo bars are allowed. Can be attached to door bar. Could be run to the frame but it would be counted as one of your down tubes.

FRAME ALL JUDGES DECISIONS ARE FINAL

1. All top frame seams may be re-welded only but no extra metal may be added. NO BAND-AIDS NO CONCRETE!!! DO NOT WELD FACTORY HOLES UP; ALL FACTORY HOLES MUST BE OPEN FOR INSPECTION OF FRAME. No plating, stuffing, heat treating or foam filling of frames is allowed. Do NOT paint, undercoat, oil or grease your frames or you will not even be inspected.
2. You may pitch frame in front. ON THE SIDE OF FRAME YOU CAN ONLY REWELD THE WELDS THAT YOU HAVE TO CUT TO PITCH THE FRONT. DO NOT REWELD ALL OF THE WELDS ON THE BOXES. NO ADDED METAL. NO EXTRA BRACING OR GUSSETS.
3. You may run one (1) wire or chain from frame rail to frame rail underneath back of car behind rear end.
4. You may put a bolt thru frame to hold it together. Only one (1) per wheel opening, must be loose during inspection. (Pinning of frame)
5. You may notch the frame for minimal pre-bending, but do NOT weld the cut.
6. Buick, Olds or Pontiacs MAY NOT fill the large hole in the frame behind the radiator support.
7. If changing front stub, cut 3 inches behind second cross member bolt hole. When replacing, can overlap 2 ½ inches, able to weld both sides, but no adding extra metal. MUST BE FROM SAME MAKE AND MODEL.
8. If restubbing one side of the frame, you are allowed to cut and fit the new frame flush and weld one pass all the way around (butt – fit – weld).
9. All trailer hitches MUST be totally removed.

BUMPERS ALL JUDGES DECISIONS ARE FINAL

1. Any OEM shock canister may be bolted or welded to any car. Amounts of bolts or welds may not exceed typical stock installation. Homemade bumper brackets are permitted, NO GUSSETS OR BRACING. Not to extend behind OEM mounting bolt location on frame. May use 2-½ inch max. Round or square tubing. No thicker than ¼ inch. No solid stock may be used. Any OEM stock automobile bumper may be bolted or welded to the shock canister or bumper brackets. You may weld outer chrome of bumper to inner skin of bumper. You may use two (2) pieces of light chain per shock. Fenders and bumper ends may be trimmed to allow for wheel clearance. Must have inspection holes to see inside bumper.
2. May have ¼ X 2" wide strap from bumper to frame or body, two on front and two on rear. Only a 2"X2" area on each end of strap may be welded to bumper and frame or body.

SUSPENSION ALL JUDGES DECISIONS ARE FINAL

1. Stiffness of suspension will be left up to the discretion of the driver. A-arms may be bolted or lightly welded to frame. NO EXCESSIVE METAL ADDED!
2. Homemade tie rods and homemade steering shaft are permitted.

ENGINE AND TRANSMISSION ALL JUDGES DECISIONS ARE FINAL

1. Any engine or transmission may be used in any car, but must be mounted in a stock position. On a V-block motor, front spark plugs must be even or in front of upper ball joint; on in-line motors, number two (2) spark plug must be even or in front of upper ball joint.
2. Chained, welded, or homemade motor mounts will be permitted, but must meet approval of officials.
3. Any type of header is allowed, but must be directed away from driver compartment.
4. Transmission oil coolers and engines oil coolers are permitted. All tranny lines must be wrapped or run through PVC. Inspection personnel must approve all mountings, lines, and fittings.
5. Skid plates are allowed. Must be separate oil/transmission plates. No full-length skid plates. No bolting or welding to frame.
6. Distributor protectors are allowed. Must be attached to engine or transmission mounting bolts. CAN NOT CONTACT CAGE AT ANY TIME.

GAS TANKS ALL JUDGES DECISIONS ARE FINAL

1. Stock gas tank MUST be removed. A plastic or metal boat tank or homemade tank must be mounted

in rear seat area and bolted down with metal straps not with rubber straps, bungee straps, ratchet straps, plumbers strap or metal screws. These types of installations will not be allowed. NO GAS CANS with hoses duct taped. A Marine (boat) tank or an official approved homemade tank is mandatory. All tanks MUST be covered with a rubber cover. All tanks MUST have secure cap. All lines and fittings MUST be leak proof and meet approval of Officials. Electric fuel pumps are permitted but MUST have shut-off within reach of driver. NO MORE THAN ten (10) GALLONS OF GAS IN TANK.

REAR END ALL JUDGES DECISIONS ARE FINAL

1. Any automobile rear end (NO TRUCKS OR FLOATER REAR ENDS) can be used in any car. Pre-1980 cars this rule does not mean you can transform a coil spring to leaf spring or vice versa. On models originally equipped with leaf springs, stock leaf springs and hangers MUST be used. 80's and newer FULL SIZE CARS ONLY may be leafed. Leaf packs on all cars may have no more than 8 leaves per pack Must be OEM stock. Homemade spring perches or homemade trailing are brackets may be welded to rear end. Rear end spider gears may be welded solid. You may tilt rear end by shortening or lengthening rear end control arms. Trailing arms may be reinforced.
2. Any drive shaft or U joint may be used. Welding of drive shaft is permitted.
3. 80's or Newer - Front spring mount can be one of the following : In trailing arm bracket, with a 3x3x1/4" gusset, or 4X4X1/4" thick by 4" long MAXIMUM square tubing welded to the frame, or inside the frame with a bolt thru the frame and no added metal. Rear mount - 4X4X1/4" thick by 4" long MAXIMUM square tubing welded to the frame, or 4X6X1/4" flat stock , welded to or bolted thru the frame
4. No extra metal added. Any bracket that shows reinforcement to the frame will not be allowed. JUDGES HAVE FINAL DECISION.
5. You may have five (5) spring clamps per spring. You pick if you want them in front of or behind axle, or split them between the front and back.

TIRES ALL JUDGES DECISIONS ARE FINAL

1. Only sixteen (16) inch or smaller tires and wheels will be allowed. NO SPLIT RIMS ALLOWED.
2. Valve stem protectors, liquid in tires permitted or screws in rims to hold tires in place permitted.

RACING REGULATIONS ALL JUDGES DECISIONS ARE FINAL

1. All drivers must wear approved helmets, eye protection, long pants, and shirt.
2. A driver that receives a black flag for an intentional door it will be disqualified from all competition for that night. A driver that receives a black flag for sandbagging or two fires will be disqualified, if in heat you may go to consolation. This will be at the judges' discretion.
3. All drivers must attend drivers' meeting prior to derby.
4. All cars must be removed from derby site by 12:00 noon the following day unless otherwise stated at drivers meeting. Failure to do this will result in cars being removed by and becoming property of local salvage operator.

MINI CAR RULES

Same rules as full size derby except as follows:

1. Must be powered by four or six cylinder engine.
2. Wheelbase must be 108 inches or less. NO EXCEPTIONS!
3. NO LEAFING MINI CARS. No four-wheel drive vehicles.
4. MANDATORY! All four/six cylinder cars must have a cage. Four point minimum.
5. Stock gas tank MUST be removed. Original tanks CAN NOT BE USED!
6. All lines under car must be steel lines or if running rubber lines they must be inside of the car.

Any questions contact:

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