

TRAIN RULES

Please refer to General Section for rules and regulations applicable to all divisions

CAR & BODY REQUIREMENTS

The lead car must have an easily identifiable 30-inch number on it. Trains may also carry names, sponsors, or other unique features, but absolutely cannot interfere with reading the number(s) from the scoring tower or that could be considered offensive. Lead car is open to any American made passenger car with a minimum wheel-base of 114 inches. Center and rear cars may be American or foreign made. No reinforcement behind front bumper is allowed on lead car. Bumper must be made of steel and be factory-appearing. Cables and/or chains may be attached from the front bumper to the frame, allowing bumper to remain secured to the car. No sheet metal may be removed except for the grill. Fenders must remain unaltered with no reinforcement. Cars that have been damaged in prior events may be altered provided approval is given by CNS Tech Officials. Distance between cars not to exceed 30 inches. No brake or braking devices of any kind on the lead car including, but not limited to transmission brakes. All hoods, deck-lids, and doors must be welded, bolted or chained shut. All stock seats, upholstery, and glass must be removed. All chrome, grills, head and taillights, hubcaps, exhaust or anything else that may come loose or get knocked off must be removed. Towing devices that extend more than 4 inches forward of the front bumper must be made to prohibit hitch from contacting the track if cars become separated. When separated and allowed to drop, hitch must maintain a minimum of 8" from the ground. Whip chains / cables, if utilized, must be a minimum of twice the length of the hitch when measured from bumper to bumper. Center cars will not be allowed to have continuous tubing or reinforcement from front to back. Door deflector plates are recommended. Both front and rear cars must have an aluminum type racing seat, No fiberglass seats are allowed. Seats must be mounted to roll cage with back and headrest anchored in such a way as to prevent it from folding forward, mounted a minimum of 8 inches from the left side door-bars. *Seats in the front and rear cars must use head restraints on both sides* of seat. Windshield area of front and rear cars must have a minimum of three 5/16 inch vertical bars mounted in front of driver. A minimum 3 inch amber-colored light must be mounted across the top front portion of the lead car and must be in working order at all times. All train cars must have all four wheels on the ground, No cars may have the front end lifted in any way. All 3 train cars must be connected and operational at the finish of the event to be scored. Front and rear cars must have stock springs and shocks in stock location on all 8 wheels. Only one shock and spring per wheel is allowed. On front car, maximum allowable front wheel camber is 8 degrees positive. No steering dampening device of any kind is allowed on any car. Radiator must be mounted in front of the engine, and may be attached by two 1-inch maximum steel radiator mounting supports. Front hoops allowed in lead car only. Hoops may not extend past the radiator.

WHEELS / TIRES: Street tires only permitted. Recaps, Hoosier, or any other tires intended for racing purposes are not allowed. Maximum wheel width is 8 inches. Tire width 8.5 inches max. Tread will be measured by rolling car through water and then measuring ground for footprint size at 30 psi. Tire treatment on CNS property is strictly prohibited.

Tires are not allowed to be inflated with water. Wheel weights are not allowed.

Brakes:

The only brakes that are allowed to be used are those attached to the rear car. No devices or methods designed to employ braking from the middle or front car are allowed.

ENGINE REQUIREMENTS

Engines are to remain stock, with the exception of the carburetor. If engine is remaining in rear car, both

intake and carburetor must be removed or train will not be permitted to compete. Stock cast iron exhaust manifolds only. All engines must start under own power. Battery must be securely fastened and covered. Intake manifold may be machined down internally up to 2" from the top of the manifold.

CARBURETOR: *Carburetor must meet Holley specifications.*

1. Stock Holly #R4412 2-bl 500 cfm is the only legal Carburetor.
2. No polishing, grinding, or drilling (i.e. Metering block) of holes allowed.
3. Choke, blade, and rod may be removed.
4. Size and shape of boosters must not be altered.
5. Booster height must remain stock.
6. Jets of any size may be used.
7. Venturi area must not be altered in any way.
8. Casting ring must remain completely visible and may not be removed.
9. Base plate must not be altered in size or shape.
10. No holes may be drilled in the base plate.
11. Stock butterflies must not be thinned or tapered.
12. Screw ends may be cut even with the shaft, but screw heads must remain stock.
13. Throttle shaft must remain standard and must not be thinned, cut or nicked in any manner.
14. Only a one piece metal carburetor spacer, maximum one 1", may be installed between the intake manifold and the carburetor with no tapering or beveling. No anti-reversion or similar machining is allowed.
15. The maximum gasket thickness shall be .065.
16. Only one round dry type paper air filter element is permitted. No treating or soaking.
17. No electric fuel pumps allowed.
18. No cool air boxes allow

FUEL SYSTEM REQUIREMENTS:

FUEL CELL: RACING FUEL ONLY permitted and must be purchased from CNS directly. Gasoline shall not be blended with any other gasoline or any additives, nitro compounds, or other oxygen containing compounds. It is the competitor's responsibility to ensure that fuel is not mixed in previously used containers. G.I. style gas tank with 5 gallon maximum is approved, fuel cells with up to 22 gallon maximum capacity recommended. Fuel cells must be in trunk area securely fastened with minimum of steel straps or chains and must meet the approval of the CNS Tech Officials. No plumber's tape allowed. Trunk area must be separated from drivers' compartment by a steel fire-wall with all holes sealed. Fuel lines must be of steel or steel braided construction and pass under floorboard of car, neoprene fuel line may be used to make connections, but connections must be done in a safe manner that meets with CNS Tech Officials approval. No electric fuel pumps allowed. No glass or plastic fuel filters allowed. Fuel cells must have flapper or check valve in vent hose. Stock fuel tanks not allowed in any cars.

EXHAUST: Mufflers are mandatory. 95 dba or less will be strictly enforced! Mufflers must be securely mounted. All exhaust systems that are not being used must be removed.

MIRRORS: No mirrors are allowed.

OUT-OF-TOWN CARS: CNS invites all Out of Town competitors. Due to differing levels of competition, CNS reserves the right to adjust car weight on an individual basis.

NO SCORING PROTESTS WILL BE ALLOWED IN THE TRAIN DIVISION!

*NOTE: Competitors in the Train division need not be NASCAR licensed, but will need to meet the specified age requirements as noted in the general section.

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