

# TRAIN RACE

## TRAIN RULES

### 1. CAR & BODY REQUIREMENTS:

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 allowed on lead car, and 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 cut away, except grills may be removed. Fenders must be left on, NO cutting or reinforcement of fenders. Previously damaged fenders and bodies will subject to approval by 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 fall off the vehicle, must be removed. Towing devices that extend more than 4 inches forward of the front bumper must be made to drop down or remain at a maximum height of 8 inches from the ground (measured from the TOP of the towing device) if the cars become separated. Center cars will not be allowed to have continuous tubing or reinforcement from front to back. All train cars must have all four wheels on the ground, NO cars front-ends may be lifted in any way. Front and rear cars must have stock springs and shocks in stock location on all 8 wheels. Only one shock and one spring per wheel. 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. NO ragged or spear like devices may protrude from the car body. Rear view mirror with a maximum width of 26 inches will be permitted. NO side-mounted mirrors allowed.

### 2. 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 maximum. Tread will be measured by rolling car through water and then measuring ground for footprint size at 30 psi. Tire treatment and soaking strictly prohibited. Tests will be conducted to insure NO unauthorized treatment or tampering of tires is being done. NO wheel weights allowed.

### 3. ENGINE REQUIREMENTS:

Engines must be stock or OEM stock replacement type for year, make, and model. If engine is remaining in rear car, both intake and carburetor must be removed or train will not be permitted to run. Stock cast iron exhaust manifold only. All engines must start under own power. Battery must be securely fastened and covered. Intake may be machined down internally 2" from the top of the manifold. Carburetors must remain stock and unmodified, except choke, blade, and rod may be removed. Only one round dry type paper air filter element is permitted. NO cool air boxes allowed.

### 4. FUEL SYSTEM REQUIREMENTS:

All cars must have the stock fuel tank removed. Racing type fuel cell permitted. A fuel tank must be mounted inside the trunk area securely fastened with steel straps and must meet the approval of the Tech Officials. No plumber's tape allowed. Trunk area must be separated from drivers' compartment by a steel fire-wall with all holes sealed. A sealed, spill proof, UL approved fuel tank (e.g. boat fuel tank) may be used. Fuel lines must be of steel construction and pass under floorboard of the car. Neoprene gasoline approved fuel lines may be used to make connections, however, must be done in a safe manner that meets with Tech Officials approval. No electric fuel pumps allowed. No glass or plastic fuel filters allowed. Racing fuel cells must have flapper or check valve in vent hose. Gasoline shall not be blended with any other gasoline or any additives, nitro compounds, or other oxygen containing compounds. NO electric fuel pumps allowed.

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## **5. EXHAUST:**

Mufflers are mandatory. 90 DBA maximum at 100 feet, strictly enforced. Mufflers must be securely mounted. All exhaust systems not being used must be removed.

## **6. SAFETY:**

Each competitor is solely responsible for the effectiveness of personal safety equipment used during an event. IRWINDALE SPEEDWAYWAY IS NOT RESPONSIBLE FOR THE EFFECTIVENESS OF ANY PERSONAL SAFETY EQUIPMENT. It is recommended that all vehicles have a steel roll cage 1-3/4 inch O.D. X .095 inch minimum wall tubing with proper bracing to protect the driver, and a down tube from halo to cage to add support to upper halo. Door deflector plates are recommended, located outside left door bars and foot protection bars, minimum 1/8 inch steel plate welded to roll bars, subject to Track Official's approval. Roll bar padding is recommended. Both front and rear cars must have an aluminum type racing seat, NO fiberglass seats allowed. Seat 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. Windshield area of front and rear cars must have a minimum of three 5/16 inch vertical bars mounted in front of driver. Only aluminum seats permitted, located a minimum of 8 inches from left side door bars to the side of the seat or a minimum of 16 inches from left side door bars to the center of the seat. A labeled ON/OFF Rotary type Master Switch, with "ON" being in the clockwise direction, must be located at or on the front of the dash in the center. The switch must be wired to the battery cable in a manner that will cut off all electrical power in the car. Only one battery per vehicle permitted. Every car must be equipped with one fully charged fire extinguisher having at least a 10B:C rating. The fire extinguisher or the fire suppression activation control must be mounted within the seated drivers reach and readily accessible for use. Each fire extinguisher must be designed to permit visual determination of whether it is fully charged. Each fire extinguisher shall have been rated and labeled by one of the following test labs: Underwriters Laboratories, Northbrook, Illinois or Factory Mutual Research Corporation, Norwood, Massachusetts. The driver is required to wear a fire suit of a fire resistant material that effectively covers the body. It is recommended the driver wears appropriate fire resistant: gloves, shoes, socks, hood, and fire resistant underwear. It is recommended the driver wears adequate eye protection, and neck restraint protection. Every driver must wear an approved Snell SA2000 or newer helmet. It is recommended the center of steering wheel be padded with 2-inch of resilient material. All drivers must have and use a minimum 5-point seat belt system (6-point recommended). Aftermarket driver's seat belt systems should be installed in accordance with the directions provided by the supplier and/or manufacturer. The engine hood must be modified with 2 holes, 4-inch maximum diameter, for the purpose of emergency response fire suppression.

## **7. CAR NUMBER:**

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.

## **8. LIGHTS:**

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. Any other exterior lighting not permitted.

## **9. REGISTRATION:**

NOTE: Competitors in the Train Race division must submit a completed entry form. Drivers do not need to be a NASCAR licensed. Additional rules contained in Irwindale Speedway's Track Procedures and Policy.

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## **10. SCORING & OFFICIAL EVENT COMPLETION:**

All 3 train cars must be connected and operational at the finish of the event to be scored. All races will be run until the leader has completed the advertised distance. Scoring protest will not be allowed in the train division. If unforeseen circumstances prevent the completion of the advertised distance, the race will be considered officially complete after the halfway mark has been reached by the leader provided circumstances make it impractical to continue the race within a reasonable time after it has been stopped.

## **11. DECISIONS:**

Irwindale Speedway Tech Officials reserve the right to make final decisions in the interpretation of any rules or race procedures at any time. No equipment will be considered as having been approved by reason of having passed through inspection. If you are considering a part, modification or procedure not covered in these rules contact the Irwindale Speedway Competition Director before proceeding with any purchase or modification. If you have any questions regarding the rules set forth, contact the Irwindale Speedway Competition Director.

## **12. BALANCE:**

In keeping with NASCAR's and Irwindale Speedway's commitment to maintaining proper balance in the competition arena, it may be necessary for Irwindale Speedway to make rule changes and/or rule modifications from time to time. Such changes are designed to enhance close competition. Irwindale Speedway's goal of a full starting field of various car makes in each race that are equally matched as possible is certainly in the overall best interest of the sport.

## **13. INSPECTION:**

ALL EQUIPMENT IS SUBJECT TO THE APPROVAL OF NASCAR TECH OFFICIALS. NO EQUIPMENT WILL BE CONSIDERED AS HAVING BEEN APPROVED BY REASON OF HAVING PASSED THROUGH INSPECTION. ALL COMPETITORS ARE REQUIRED TO BE FAMILIAR WITH ALL IRWINDALE SPEEDWAY TRACK RULES PERTAINING TO YOUR DIVISION.