



Four Banger TECHNICAL RULES

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Please note that any updates to these rules will be posted at www.racepmg.com and will supersede this document.

PREFACE

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of Ocean Speedway racing events and to establish minimum acceptable requirements for such events. These rules shall govern the terms and conditions of all meets at Ocean Speedway. The Technical Rules booklets for each division are an integral addendum to these rules. By competing or participating or entering the grounds during a Speedway meet, all parties agree that they have read these rules thoroughly, understand these rules, accept the rules and other terms and conditions, and agree to be bound by these rules and any existing or issued addenda without exception or limitation. It is ultimately the obligation of each person entering to ensure that they are in full compliance with Speedway rules, terms and conditions and all State, Local or Federal Laws while on Speedway premises. Many rules are designed to reduce the ever-present risks of injury to competitors, participants and all others during said events on Speedway grounds. No expressed or implied warranty of safety shall result in the publication of or compliance with these rules, regulations, terms and conditions. They are intended as a guide for the conduct of the sport and in no way a guarantee against minor or severe injury or death to competitors, participants, or all others on Speedway grounds.

IMPORTANT

Anyone involved in any type of accident/incident that result in any type of minor or major injury while on the racing premises must report such to the Pit Steward before exiting the Speedway grounds in order to be eligible for insurance benefits (providing such member is physically able to make such a report).

SOUND AT OCEAN SPEEDWAY WILL BE STRICTLY ENFORCED 90 DBA at 100ft

If your car does not meet this requirement, be prepared to correct immediately

All cars must go thru a noise qualification before they will be allowed to race in any event at Ocean Speedway to ensure they are under the sound limit policy. Which is 90 dba @ 100ft, no exceptions. Please see Technical Inspector or Director of Competition, when you first arrive at the Speedway to get your car qualified to race. Once your car has been qualified to race, you will get a decal that must be placed on your car and remain on car at all times during event.

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SECTION 1

COMPETING MODELS ELIGIBILITY

- A. Any American/Foreign made automobile 2000 year model or older, self-aspirated only, no turbo or super charged automobiles.
- B. No convertibles, station wagons, jeeps, etc.
- C. Front or rear wheel drives allowed, no all-wheel drive or four wheel drive automobiles allowed.
- D. Maximum wheel base 103".
- E. No rear view mirrors. No radios.
- F. Mini trucks allowed.
- G. No rear engine cars.

ENGINES

- A. Three (3) or Four (4) cylinder engines only, must be stock for make, model and year. No turbo charged engines allowed. JDM replacement motors for car make, model, and year OK.
- B. Engines must remain stock, no performance parts of any kind allowed. No engine modifications to enhance performance are allowed.
- C. Rotary engines not permitted.
- D. No after-market or performance ignitions allowed. Must remain stock.
- E. No mass air modifications.
- F. No intake modifications.
- G. No changing of chips allowed.
- H. **NO V TECH MOTORS ALLOWED.**

CARBURETOR

- A. Carburetors must be an OEM type. Subject to tech approval.
- B. Fuel injection permitted, if car came originally equipped as fuel injected. If equipped with electric fuel pump make sure pump is wired thru oil pressure switch. If vehicle is not equipped with a switch, it must be added.
- C. Two (2) throttle return springs are mandatory, and must be mounted to engine block.
- D. After market air cleaners OK.

FUEL SYSTEM

- A. The fuel system will remain stock provided the fuel tank is located between the car's wheelbase. If the fuel tank's stock location is behind the rear tires it must be relocated securely to the trunk area with a metal barrier placed between it and the driver's compartment. A fuel shut off switch is required for electric fuel pump.
- B. Pump gas only. No Racing fuels or additives of any kind allowed.
- C. Cells and tanks must mount centered in car.
- D. Fill spout to be located inside trunk. Full firewall required between driver's compartment and trunk area.
- E. Minimum fuel capacity is 8 gallons. Maximum fuel capacity is 12 gallons.
- F. Any line passing through driver's compartment will be neoprene hose inside steel tubing and will be subject to tech approval.

- G. Fuel cell and/or vent hose must have a tip over valve.
- H. No cutting of trunk floor in any way to lower fuel cell.

COOLING SYSTEM

- A. Electric fans OK.
- B. Radiator catch can required, no less than 1 quart, securely fastened in the engine compartment.
- C. Freon or engine coolants not permitted.

ELECTRICAL SYSTEM

- A. Battery must be mounted behind driver in a steel box. No marine or plastic type boxes allowed. Subject to tech approval.
- B. All cars must have an electrical master kill switch mounted inside driver's compartment on the centerline of car and within reach of driver. Master kill switch must also be reachable from both sides of car.

EXHAUST

- A. Stock exhaust manifold only. Exhaust must exit behind driver.
- B. No part of the exhaust allowed in the driver compartment.
- C. Stock exhaust system only. No modifications allowed.
- D. Headers are not permitted.
- E. Catalytic converter may be removed
- F. Stock or stock replacement mufflers required. 90 dba @ 100 feet (no cherry bomb style mufflers)

SECTION 2

BODIES

- A. Complete stock from original design of make, model and year.
- B. No spoiler allowed. If OEM for year and make, it must be removed.
- C. Wheel well may be cut for tire clearance only. Subject to tech approval.
- D. All body holes must be filled.
- E. All insulation from under hood must be removed.
- F. Rear seat must be removed.
- G. Floor board covering such as carpeting, door panels, headliner, and insulation must be removed. Holes must be filled, floor and firewall.
- H. May use stock body panels or stock replacement body panels made of 22-gauge steel only and must be welded back in place plus bolted with minimum 4 bolts, one located in each corner. All body panels are subject to tech approval.
- I. All interior sheet metal must remain intact including, doors, deck lids, etc. Inside door panels may be trimmed to allow for roll bar clearance.
- J. Stock hood latch must be removed including safety latch. Hood will be secured by two (2) Hood pins across front. Must maintain rear hinges.

APPEARANCE/NUMBERING

- A. All cars must be neatly and brightly painted.
- B. All cars will display a one (1) or two (2) digit number series (0 - 99). No duplicate numbers allowed.
- C. Number will be a minimum of 18" on roof and 18" on each door.
- D. Car number will be placed neatly in right front headlight area and taillight area as large as possible that fits neatly in the assigned area.
- E. Advertising that is deemed unsuitable/offensive will not be allowed.

BUMPERS

- A. Stock bumpers only, no reinforcing.
- B. All bumpers must be fastened to fenders and quarter panels in such a manner that will prevent "hooking".

GLASS

- A. Windshields of wire mesh is required, must be ½" to 1" mesh. Center support mandatory.
- B. Rear and side windows must be removed.
- C. All external lights must be removed.
- D. No side mirrors.

FRAMES

- A. Stock frames only. No modifications allowed.

SUSPENSION

- A. Stock OEM parts only. No modifications allowed.
- B. No racing shocks or racing springs.
- C. Cast and camber adjustments allowed to rear wheel drive vehicles only. Not to exceed 4 degrees.
- D. Strut supports front or rear not allowed.

STEERING

- A. Stock steering for the make and model. No modifications allowed.
- B. No steering quickners allowed.
- C. Steering wheel quick release allowed. Must retain stock column. Center must be padded.

REAR END, TRANSMISSIONS, CLUTCHES, FLYWHEELS

- A. Any stock transmission for make, model and year. No modifications allowed.
- B. Locking of rear ends or differentials allowed.
- C. Stock unaltered rear end for that make, model and year.
- D. Clutch pedal must remain stock for make, model and year.

WHEELS/TIRES/BRAKES

- A. Stock steel wheels only.
- B. Right front oversize lug nuts required. Recommended for all four wheels.

- C. Wheel spacers are not permitted.
- D. Any DOT street legal tire permitted. Optional track tire may become available. No performance tire of any type allowed! No mud, snow or off-road tires allowed. No grooving, shaving, checking, crosshatching or any other tread modifications is permitted.
- E. Wheels and tires must be of like size. Wheels must be same offset.
- F. Dual air valves or bleeders not permitted.
- G. Stock brake system for make, model and year. All brakes must function at all times, no adjustable brake bias
- H. Brake pedal must remain stock for make, model and year.
- I. No mag wheels, no wire spoke wheels, Steel wheels or stock Aluminum wheels ok.
- J. Racing wheels OK.

Tire Example:

1990 Acura Integra Factory Rim and Tire Size

Factory Front Tire Size: 195/60-14

Factory Rear Tire Size: 195/60-14

ROLL BARS

- A. The roll cage must be constructed of 1.5 or 1.75 inch outside diameter tubing with a minimum wall thickness of .095 inches. Six point cage required consisting of a four-point center section and two "kicker" bars from top of main cage to rear of car welded securely in trunk pan area. (Center section to consist of main roll bar with cross brace as close to floor as possible and cross brace shoulder high. A diagonal bar from bottom of driver's side to top of passenger side is required. Halo bar must be above driver's head with helmet on and buckled in to race. Front down posts must have bar between them above steering column in front of dash.) Minimum three door bars in driver's side. Minimum of two in passenger door. No pipe in front of dash allowed. (Exception 1 bar may be welded between strut towers). No reinforcing of bumpers allowed.
- B. Galvanized, aluminum, or exhaust type tubing is not permitted.
- C. Approved padding must be used at any point where driver contact might occur.
- D. All interior sheet metal must remain intact including, doors, deck lids, etc. Inside door panels may be trimmed to allow for roll bar clearance.
- E. Stock hood latch must be removed including safety latch. Hood will be secured by two (2) Hood pins across front. Must maintain rear hinges.
- F. Roll bars must be welded or bolted to car.
- G. All installations subject to tech approval.

SEATS AND SAFETY EQUIPMENT

For all safety equipment: It will be the sole responsibility of the driver, not Ocean Speedway, their agents/officials or corporate officers to ensure that his/her safety equipment is correctly installed, maintained and properly used. Please refer to manufacturer installation and usage guide lines and adhere to them.

- A. Aluminum professionally built high back racing seat with required.
- B. Seat must be securely bolted to a mount assembly that is an integral part of the roll cage.
- C. Seat will not be attached to the floorboard.

- D. A five- (5) point safety harness, with quick release is mandatory with a 3" wide lap belt, 3" shoulder belts, and a 2" submarine belt. All belts shall be attached to roll cage using minimum 3/8 grade 8 hardware and safety cables. E. Cotton harness components prohibited.
- F. Safety harnesses/seat belts may be no more than three (3) years old. If necessary, proof of purchase may be required.
- G. Safety helmet must meet Snell 95 testing standards, bear proper identification, and have no signs of previous damage. No open face helmets allowed.
- H. Driver-side window net required, minimum 16 inch by 20 inch ribbon or mesh style, and must be mounted to roll cage so latch is at top front of window.
- I. Safety helmet must meet Snell 95 testing standards, bear proper identification, and have no signs of previous damage. No open face helmets allowed. SFI-approved full fire suit required. Fire retardant gloves, shoes and neck brace (or head and neck restraint) required. *Recommended: Fire retardant head sock and underwear.* J. Eye protection is mandatory and must be in proper place at all times.
- K. Current test date (2 pound minimum) fire extinguisher to be installed in the car within drivers reach while strapped in. Steel mounts only, no plastic.
- L. Two (2) drive line straps, 1" x 1/8" required, mounting to be within 6" of the U-joints.
- M. Oil catch can recommend for breathers.
- N. All cars will be required to have in their pits a minimum of one 5 pound, Halon or dry chemical fire extinguisher. This is to be visible to tech officials and all crewmembers. All crewmembers must be made aware of its location, and knowledgeable in the use of the fire extinguisher
- O. Car and driver will be required to make safety rule violations comply PRIOR to racing any event.

INSPECTION

- A. All cars are subject to inspection by Ocean Speedway officials at any time and in any manner determined by track officials. All decisions regarding the timing and manner of the inspections, as well as which cars will be inspected, are final.
- B. Competitor must take whatever steps requested by a track official, including tear down of the car, to facilitate inspection of the car.
- C. Only two people admitted to the inspection area.
- D. Track officials mandate inspections after the event: If a car that has competed in the event is taken from the tech inspection area and/or racing premises without permission of lead tech official, that car and driver will be disqualified. Unless the competitor can prove beyond a reasonable doubt that the violation was caused by circumstances the competitor could not control the disqualification will stand.

OVERVIEW

1. The intent of this division is to take a 4-cylinder front wheel drive car off the street, strip stock seats, glass, etc, install roll cage, seat, belts and window net and go have fun. Any other idea that you have should be forgotten. This is intended to be a VERY cheap way for people to get into a racecar.

2. OFFICIALS DECISIONS ARE FINAL. Any part or alteration deemed by track officials to enhance performance will not be allowed.

SECTION 3

Transponders & RACEceivers

Track has some transponder rentals; however, they are a courtesy, and if they are not available it is your responsibility to have one

TRANSPONDERS

Transponders are mandatory on all cars; they can be purchased through www.mylaps.com

Transponder must be mounted on the right side of the fire wall 2ft maximum from ground

RACEceivers

RACEceivers are mandatory for all Drivers. Raceceiver must be in working in order and on every time their car is on the racing surface; they can be purchased through www.raceceiver.com or at Ocean Speedway

If you are out of position, you will be asked twice (2) to get into proper spot, if you do not you will be penalized 2 spots for every position that you are out, on the next yellow or at the end of the race, whichever comes first

SECTION 5

EIRI

Except in rare instances - Decisions of officials are final and binding without exception. Any rule changes or clarifications during the course of the year will be amended at www.racepmg.com, and will be considered as an official part of these rules.

IMPORTANT NOTICE

It is ultimately the obligation of each participant to insure that his/her conduct and equipment comply with all applicable Ocean Speedways rules and regulations as they may be amended from time to time. No expressed or implied warranty of safety shall result from publication of or compliance with these rules. They are intended as a guide for conduct of the sport and are in no way a guarantee against injury or death to participants, spectators or others.