

## OFFICIAL 2009 SPECIFICATIONS FOR FIGURE 8'S

NOTICE: ALL EQUIPMENT IS SUBJECT TO THE APPROVAL OF TOYOTA SPEEDWAY AT IRWINDALE OFFICIALS. ALL CARS MUST PASS A PRE-COMPETITION INSPECTION. NO EQUIPMENT WILL BE CONSIDERED AS HAVING BEEN APPROVED BY REASON OF HAVING PASSED THROUGH INSPECTION.

### 1. COMPETING MODELS

- (a) 1964 or later, no convertibles (unless covered by a wing).

### 2. GENERAL CAR AND BODY REQUIREMENTS

- (a) Bodies must have doors, roof, and quarter panels.
- (b) No weight limit.

### 3. DETAILED CAR BODY REQUIREMENTS In addition to the car body requirements in section 2.

- (a) Windshield and Windows:
  - (1) There is to be no glass on the race car.
  - (2) Full steel wire mesh minimum 1/2-inch to 1 inch square metal in place of windshield is required. No string nets.
- (b) Fenders optional.
- (c) Identification and Marking: Numbers must be on both sides of the car and on the roof.
- (d) Window Net:
  - (1) Mandatory left side door window screen/net required. Net must be a rib type, made from minimum 3/4 inch wide, maximum one (1) inch wide nylon material. Window net lower mount must be a solid steel rod (1/2 inch diameter recommended) on the bottom with rod mounts welded to roll cage. Window net upper mount must be solid steel (recommended one (1) inch wide by 3/16 inch flat steel rod or 1/2 inch diameter rod) with mounts welded to roll cage. The window net, when mounted in the closed position, must fit tight and secured with a lever-type quick release latch at top acceptable to track officials.
  - (2) Window net must have a manufacturer's date tag or will not be permitted.
  - (3) Window net must be within 5 years of manufacture date.

### 4. GENERAL ENGINE REQUIREMENTS

- (a) No compression rules.

### 5. DETAILED ENGINE REQUIREMENTS

- (a) Intake Manifold: Any available after market intake allowed.
- (b) Carburetor: 2 or 4 barrel carburetor allowed.

### 6. ENGINE/CAR ELECTRICAL SYSTEM

- (a) Ignition System: Any ignition acceptable. Magnetos allowed.

### 7. ENGINE COOLING SYSTEM

- (a) Water only may be used in the engine cooling system.

### 8. ENGINE LUBRICATION Reserved.

### 9. ENGINE EXHAUST SYSTEM

- (a) Mufflers must be capable of maintaining a maximum of 90 DECIBALS AT 100 FEET.

### 10. DRIVE TRAIN

- (a) Clutch: Any clutch allowed. Triple disk allowed.

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- (b) Transmission:
  - (1) Automatic or stick transmission allowed.
  - (2) Two speed transmission allowed.
- (c) Rear Axle:
  - (1) Any racing rear end allowed.
  - (2) Quick-change rear end allowed.
- (d) Tires: Toyota Speedway at Irwindale approved tires only, Hoosier F55.

### 11. FRAME REQUIRMENTS Reserved.

### 12. SUSPENSION

- (a) Shocks:
  - (1) All shocks allowed.
  - (2) Location optional.
  - (3) Helm joint shocks allowed.
  - (4) Coil-over shocks allowed.
- (b) Car Height Adjusting Devices: Weight jacks allowed.
- (c) Wheelbase minimum is 108 inches on one side, and plus or minus 1/2 inch on opposite side.

### 13. STEERING

- (a) Any steering allowed.
- (b) Quick release mandatory.

### 14. BRAKES AND COOLING COMPONENTS

- (a) Must have 4 wheel brakes.
- (b) After market brakes allowed.

### 15. FUEL Reserved.

### 16. FUEL SYSTEM

- (a) Approved fuel cells mandatory. Fuel shall be racing (pump) gasoline only.
- (b) Fuel cells must be securely installed in the trunk compartment, between the frame rails, with two 1 inch wide by 1 inch flat steel straps, both lengthwise and crosswise.
- (c) Fuel cell must be installed in a minimum 18-gauge sheet metal box strapped in by 1/8-inch by 1 inch steel.
- (d) Filler spout must remain in the trunk area sealed off from driver.

### 17. PERSONAL SAFETY EQUIPMENT AND ROLL BARS

- (a) General Safety:
  - (1) It is the responsibility of the driver, not Toyota Speedway at Irwindale, its officers, or its agents to ensure his/her safety devices and systems are correctly installed, maintained, and properly used at all times.
  - (2) As with all safety items Toyota Speedway at Irwindale strongly recommends that, the driver carefully study all manufacturer's installation and usage guidelines and adhere to these recommendations to the highest extent possible.
- (b) Protective Clothing: A clean full-length fire suit and safety gloves required. Racing shoes or leather shoes required.
- (c) Fire Control: Every car must be equipped with one fully charged fire extinguisher having at least a 10B:C rating. The fire extinguisher must be accessible to driver with quick release mount.
- (d) Helmets: Head and Neck Restraint Devices: Snell approved helmet mandatory, SA1995 or newer,

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with face shield required. Driver must rely on his own judgment in the selection of any helmet and apparel for durability and safety.

(e) Seat Belts:

- (1) Five-point, quick release restraint system with no less than 3-inches wide required. Center crotch belt must be a minimum of 2 inches wide
- (2) Belts must be re-certify or replace every 3 years.
- (3) Both ends must be fastened to roll bar cage with aircraft quality bolts, no less than 3/8 inch in diameter.
- (4) Belts must be mounted in such a manner as not to allow driver to move under belt.

(f) Aluminum racing seat is required. No fiberglass, plastic or homemade seats allowed.

(g) Roll Bars:

- (1) A full roll cage is required.
- (2) Must have at least 4 driver door bars and 3 passenger door bars. Steel plate of 1/4-inch must be on driver's door.
- (3) All roll bars are subject to safety technical inspection and approval.
- (4) All cage roll bar material must be a minimum of .090 wall steel 1-1/2 inch to 1-3/4 inch tubing. No galvanized pipe. Maximum tubing diameter 2 inch. No threaded pipe fittings allowed.
- (5) All roll bar structure exposed to the driver must be padded with approved padding. The two uprights in the left side door must be padded.

### Disclaimer

Equipment will not be considered "legal" simply because it went through inspection unobserved or because a rule has not been written excluding it.

The rules and/or regulations set forth herein are designed for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. The rules shall govern all entrants. No express or implied warranty of safety shall result from publication or compliance with these rules and/or regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit deviations from any of the specifications, herein, or impose any further restriction, that in his opinion do not alter the minimum acceptable requirements. No express or implied warranty or safety shall result from such alteration of specifications. Any interpretation or deviations of these rules is left to the discretion of the officials. Their discretion is final.