# 2013 PETALUMA SPEEDWAY WINGLESS SPRINTS RULES

Current as of February 22, 2013

**The General Rules for the 2012 Season have been completely updated.**
**It is IMPORTANT that you familiarize yourself with these rules.**

# PETALUMA SPEEDWAY

# 2013 Wingless Sprint Car Rules

As of 2-22-2013

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changes are highlighted in Yellow.

## 1 Safety Equipment

### *1.1 Driver*

**Driver Suit**

Any popular approved type, for example, Simpson, Nomea, etc., any color is allowed. All drivers at all times must wear approved fire suits. For example, testing, hot lapping, running on the track and racing.

Fire proof uniform gloves and shoes are mandatory. SF13.2N1 rating minimum.

Head socks or skirts mandatory.

**Helmet**

Snell SA2005 or newer helmets are required.

Driver's helmet should carry name, blood type, allergies and date of last tetanus shot along with pertinent medical history – this is optional, but suggested.

**Other**

Arm restraints are mandatory.

Helmet restraint, neck collar mandatory.

### *1.2 Driver Compartment*

Roll cage padding required. Knee pads and guards required.

Quick release steering wheel mandatory.

All accelerators must be equipped with safety toe strap and proper return springs.

**Window Net**

### *1.3 Fire Equipment*

**Car**

**Pit**

Each pit area must be equipped with a serviceable A-B-C type (dry powder) fire extinguisher minimum 7.5 pound capacity. This is in addition to extinguisher in race car. The extinguisher must be visible from pit road.

# PETALUMA SPEEDWAY

# 2013 Wingless Sprint Car Rules

### *1.4 Seat*

Seat must be mounted to the centerline of the chassis.

Racing seats ONLY. High back recommended.

Headrest must be high impact and energy absorbing

Seat must be mounted in 4 places to the chassis with minimum 3/8' steel bolt and nut.

Mounting hole in seat must have a 2" diameter mounting plate with a minimum .060"

### *1.5 Seat Belts*

Seat Belts

5 point hook-up with 3" belts minimum.

Shoulder straps or harness and safety belts are mandatory and shall be worn at all times when on track. Safety belts must be fastened behind the seat and at least 6" or lower below the shoulder and sub-marine belt. Belts to mount on roll cage. Maximum age on belts 2 years.

### *1.6 Communication*

Racecever and transponders are mandatory and are available to rent or buy at track.
No 2 way radios, scanners, cell phones or Nextel allowed. Radios will be confiscated.

### *1.7 Miscellaneous*

ALL SAFETY ITEMS WILL BE DESIGNED AND INSTALLED TO THE SATISFACTION OF THE TECHNICAL INSPETOR (EXCEPTION WILL BE MADE IN THE AREA OF SAFETY. ANY ADJUSTMENTS OR ALTERATIONS SUGGESTED BY OFFICIALS WILL BE IMMEDIATELY ENFORCED. YOU HAVE NO RECOURSE.

A medical examination of all drivers may be required as needed by officials.

All wrecked cars must be inspected by a safety official before re-entering competition. A race car may be inspected by officials at any time.

Any car found to be illegal will be disqualified from competition.

ANY CAR, TEAM, OR DRIVER NOT MEETING SPEEDWAY SPECIFICATIONS, OR STANDARD RACING SAFETY AND EQUIPMENT, IS SUBJECT TO AUTOMATIC DISQUALIFICATION AND/OR PENALTIES.

## 2 Weight

### *2.1 Class Weight Rules*

All cars must weigh 1650 ~~1700~~ lbs. with driver and all driver's equipment.

You can be weighed at any time during the night.

### *2.2 Add-On Weight*

## 3 Chassis

### *3.1 Eligible Models*

Open to any sprint car chassis 1984 to present.

### *3.2 Dimensions/Wheel Base*

Wheelbase minimum of 82".

Wheel base maximum of 96".

### *3.3 Frame Specifications*

Motor, body, seat and fuel tank must be mounted to the centerline of the chassis.

### *3.4 Roll Cage Specifications*

Minimum cage structure to be no less than 1 3/8" 0.0. with .095 minimum wall thickness. Cage MUST extend 2" above driver's helmet. A halo bar will be required if drivers helmet sits too high.

NO TITANIUM. NO EXCEPTIONS.

### *3.5 Driver's Compartment*

### *3.6 Steering*

### *3.7 Front Suspension*

Any conventional torsion bar or coil-over suspension is allowed. Combining the two is allowed.

Straight front axle only.

NO COCKPIT ADJUSTABLE SUSPENSION DEVICES. NO EXCEPTIONS.

All moly or hiem ball joints will have flat washers installed.

### *3.8 Front Springs*

### *3.9 Rear Suspension*

Any conventional torsion bar or coil-over suspension is allowed. Combining the two is allowed.

No independent rear suspension allowed.

NO COCKPIT ADJUSTABLE SUSPENSION DEVICES. NO EXCEPTIONS.

### *3.10 Rear Springs*

### *3.11 Shocks*

One shock per wheel.

### *3.12 Brakes*

Minimum left front and left inboard rear brake system.

Front and rear brakes must work at start of event. Rear must work at ALL times.

Additional right rear brake OK.

Steel, cast iron or aluminum rotors only. No titanium.

### *3.13 Electrical and Electronics*

**Battery**

Must carry 12 volt battery. Recommended location: under driver's seat.

If battery is WET TYPE, must be covered to prevent acid spills.

**Electrical**

**Electronics**

### *3.14 Engine Compartment*

### *3.15 Engine Location*

Motor must be mounted to the centerline of the chassis.

## 4 Bumpers, Nerf Bars & Rub Rails

Bumpers and nerf bars must be sprint car type bars and securely bolted to the chassis with minimum1/4" bolt.

Bumpers and nerf bars will be constructed of no less than 1" 0.0. and .60 wall thickness.

Side nerf bars may have triangular or 4 point configuration and may not extend outside rear tires.

## 5 Engine

### *5.1 Block*

360 cu. in. MAXIMUM. NO EXCEPTIONS.

Cast iron block and heads required. Stock valve angle (23 degrees for Chevy).

### *5.2 Crankshaft*

### *5.3 Connecting Rods*

### *5.4 Pistons*

### *5.5 Heads*

### *5.6 Springs*

### *5.7 Valves*

### *5.8 Camshaft*

Flat tappet cams only.

### *5.9 Rockers*

Roller rockers and girdles OK.

### *5.10 Oil Pan*

Gear drive and dry sump oil systems OK.

### *5.11 Intake*

Aluminum 4bbl. intake manifold OK. 1/2" pipe plug in valley area of the intake manifold, (between carb. and check cams with opening engines.

### *5.12 Air Cleaner*

### *5.13 Fuel Delivery System*

Holley #4412 or Demon or 9647 Series 500 cfm. 2bbl. carburetor. Track Go-No Go Gauge will monitor carb. Specifications.

1 11/16" throttle bore; shafts and throttle plates must be stock. Choke tower may be removed. External jets C THREE METAL throttle return springs MANDATORY.

Venturi may be opened .010 over catalog specs.

Bottom of carburetor may be no more than 4" from top of manifold. No ram intakes allowed.

Fuel systems must have shut off device within reach of the driver, marked in large bold block letters and "Day glow-Red" color for easy identification. A Waterman Shut-off system is recommended for additional safety.

All fuel lines and filters will be securely and safely mounted to the satisfaction of the officials. NO EXCEPTION

### *5.14 Ignition*

Any ignition system or magneto allowed.

Cars must have a clearly marked ON/OFF ignition switch within reach of the driver and visible to rescue workers.

### *5.15 Starter*

On board, working starters are REQUIRED.

### *5.16 Cooling System*

No antifreeze is to be used at any time. Water and Water Wetter or equivalent ok.

## 6 Drivetrain

### *6.1 Bellhousing*

Steel or approved aluminum shield that covers the flywheel mandatory when bell housing is inside the cockpit.

### *6.2 Clutch*

### *6.3 Transmission*

### *6.4 Flywheel*

### *6.5 Driveshaft*

All drive trains must have a driveline or rear end coupler system (to disengage rear end from engine).

Torque drive lines not allowed. All drivelines must be enclosed and have no more than 1 u-joint and that u-joint must be front of the drive line.

Buckley Yokes OK.

Torque tube safety strap or hoop mandatory.

### *6.6 Rear End*

Any conventional quick change rear end is allowed with a maximum 2" offset.

### *6.7 Miscellaneous*

## 7 Exhaust

### *7.1 Manifold/Header*

### *7.2 Exhaust System*

### *7.3 Mufflers*

Mufflers are required. Mandatory 95dba @100 ft.

## 8 Body

### *8.1 Body, Body Types*

Body must be mounted to the centerline of the chassis.

Body/chassis must be well maintained. NO JUNK. PAINT OVER RUSTED HEADERS ETC.

Conventional sprint car hoods allowed. Conventional side panels and tail tanks only.

NO AERODYNAMIC DEVICES ALLOWED. NO WINGS, WEDGES, FOILS, MODIFIED BELLY PANS (flat 0 UNDERSIDE MODIFICATIONS. NO EXCEPTIONS. THE OFFICIAL DECISION WILL BE FINAL. No body part designed to trap air or otherwise form a wind break except those to cool or protect the engine or braking system

Right side arm guard may not exceed 36" in height measured from top of bottom frame rail.

Driver must be able to easily escape the car. Drivers will be asked to demonstrate this capability.

Firewall will be solid metal and fit between the engine and the driver. Access holes may be drilled for wiring & linkage.

Floor pan must extend from the firewall to the front of the driver's seat.

### *8.2 Spoiler*

### *8.3 Body Appearance*

All cars will be painted in bright colors. All cars must meet the approval of the officials as to appearance.

### *8.4 Identification*

NUMBERS WILL BE IN ACCORDANCE TO THE REGULATIONS OR NO PAY OR POINTS to be issued for the program.

Numbers must be contrasting and LARGE ENOUGH TO BE EASILY READ FROM THE SCORING BOOTH. NO EXCEPTIONS.

## 9 Fuel System

### *9.1 Fuel*

RACING alcohol or gas only. No Nitro or Nitrous Oxide

NO ADDITIVES. Including oxygenated additives

No electric fuel pumps.

### *9.2 Fuel Cell*

Fuel tank must be mounted to the centerline of the chassis.

A securely mounted fuel cell with bladder is required. Midget or sprint type is OK.

Minimum 25 Gallon tank. Maximum of 40 Gallons.

Fuel tanks may not be mounted to the chassis utilizing any portion of the access plate or the nut plates that bond the fuel bladder.

Mounting fuel tank to chassis: All mounting points must have inner and outer plates attached to the shell. They must be of adequate size to insure the tank is secure to the chassis. All tanks will have four different cage mounting points.

Tank vent MUST have check valve.

## 10 Tires and Wheels

### *10.1 Tires*

Any compound Hoosier tire may be used.

### *10.2 Wheels*

Any aluminum, or steel six-pin or spline wheel OK.

Any wheel offset is allowed.

Maximum wheel width: Front 10", Left Rear 15", Right Rear 18".

Bead locks on all wheels recommended.

## 11 Miscellaneous Class Specific Rules

Cars must start each event from staging WITHOUT ASSISTANCE. Cars requiring assistance at initial start of race: go to the back of the pack.

Assisted starts from red flag work area, during red flag conditions OK.

Any car or driver following a roll over will not be allowed to participate in any event that night, unless cleared through the official. Any official may make comments in regards to the condition of the car and/or driver.

## 12 Disclaimer

**FROM: THE MANAGEMENT OF PETALUMA SPEEDWAY**

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF 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 minor deviations from any of the specifications herein or impose any further restrictions that in his opinion do not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final. REFEREE'S DECISION IS FINAL.

**2004 STATE RULES ALLOW NO LIQUID DUMPING FACILITIES AT THE FAIRGROUNDS**. Each race car that enters the Fairgrounds Pit Area MUST have an empty container(s) approved by the MANAGEMENT OF

PETALUMA SPEEDWAY that will hold at least 2 gallons of used oil (fluids) for collecting anything that may be drained out of the race car or tow vehicle at each event. These container(s) must be removed with the racecar after every race and be disposed of at an approved facility at the owner's expense.

IMPORTANT NOTICE

It is ultimately the obligation of each participant to insure that his/her conduct and equipment comply with all applicable Petaluma Speedway 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