

Elite Division Rules

These rules are in effect as of January 1, 2020, and supersede all previous Speedway Willow Springs rules, and rule updates. Speedway Willow Springs reserves the right to alter or amend the rules and regulations in the interest of safety, cost control, and/or fair competition. It is the responsibility of each competitor to read and understand the contents of these rules. If there is a disagreement or dispute regarding the meaning or application of these rules, the decision of the Speedway Willow Springs Race Director will prevail. Any interruption or deviation of these rules is left to the discretion of the Race Director. His/her decision is final.

1. BODIES

- A. Body templates will not be used.
- B. Any late model or ABC-type body is acceptable (see abcodies.com as a guide).
- C. Complete body including nose and tail covers.
- D. Steel, aluminum, or fiberglass, no carbon fiber or Kevlar.
- E. Steel interior and firewalls.
- F. Front window required (see abcodies.com, window specifications as a guide).
- G. 6.5" x 60" max. rear spoiler.
- H. **No side boards or wings.**

2. WEIGHT, WIDTH AND CHASSIS DIMENSIONS

- A. Weights are BEFORE racing. Any car may be selected for scaling prior to heats or dashes per discretion of tech director.
- B. Perimeter cars **2950 lbs** minimum weight with driver at **59% max left**
- C. Straight rail chassis **57% max left** before the race
- D. 68" max tread width. (81" outside tire to outside tire at spindle height)
- E. 44" min. roof height.
- F. 105" min. wheelbase; **Must add 25lbs for every inch under 105.**

3. ENGINE REQUIREMENTS

- A. Stock unmodified OEM mass produced cast iron block.
- B. Wet sump oiling only. Accusump permitted. 361 max. c.i. including wear. 11.5 to 1 max compression.
- C. No titanium engine parts except retainers.
- D. Any aluminum or steel intake manifold. 2 throttle return springs. Engines with aftermarket racing type heads (Brodix, Dart, etc) must run a 2 BBL 4412 Holley (casting 3250) with 1-11/16" bore. No modifications allowed. Engines with mass produced cast-iron heads including cast-iron Bowtie heads may run a 2 BBL or 4 BBL carburetor. (604 crate may also run a 2bbl or 4bbl carb)
- E. The engine must be located so that the forward most spark plug hole is a maximum of 2" behind the centerline of the upper ball joints centered within 1" of front tread width. GM CT525 Crate engine MUST run 2 BBL 4412 Holley (casting 3250) with 2 bbl restrictor (1.25).

4. ELECTRICAL SYSTEM

- A. No traction control.

- B. No electronic monitoring computer devices capable of storing or transmitting information except tachometers.
- C. Must have functioning starter near stock location.
- D. Must have master electrical cut-off switch located in the cockpit within reach of driver and safety crew from both sides of the car.
- E. Battery must be mounted safely.

5. ENGINE COOLING

- A. If a mechanical fan is used, it must have a shroud.
- B. Radiator must be in front of the engine and close to upright. No antifreeze. Water Wetter ok.
- C. 1 qt. min. overflow with exit hose mounted at base of passenger side of the windshield.
- D. Stock operating, stock-mounted mechanical, belt-driven water pump.

6. ENGINE EXHAUST

- A. Any steel header above or below the engine. Max. 95db @ 100ft. Passenger door exit recommended.

7. DRIVETRAIN

- A. Any OEM or aftermarket manual transmission. No transmissions with enclosed clutches.
- B. Min. 5.5" steel clutch pressure plates and discs. Aluminum or steel flywheel.
- C. Steel driveshaft painted white with 2 steel safety loops.
- D. Any rear end housing. Cambered rear ends are not permitted.

8. FRAMES/CHASSIS/ROLL CAGES

- A. Any all steel chassis. Min. 1.75" o.d. x .090" wall thickness steel Nascar-type roll cage mandatory.
- B. 3 contoured horizontal driver side door bars mounted between the pillars with 2 vertical bars extending from the windshield opening to the frame and covered with 1/16" steel plate welded to the door bars.
- C. 2 horizontal passenger side door bars mounted between the pillars with 2 vertical bars extending from the windshield opening to the frame.
- D. Any areas of the roll cage that may come in contact with the driver must be covered with roll bar padding.
- E. No pipe insulation.

9. SUSPENSION

- A. No independent rear suspension.
- B. Independent front suspension required.
- C. Any sway bar and mount.
- D. Static weight jacks ok.
- E. No weight may be moved while the car is in motion or on the race track.
- F. Any mono-tube single adjustable shock, no base valves, (exception: All steel body twin tube shocks base valves ok).
- G. No external reservoirs.
- H. One shock per wheel, bump stops ok. Rubber biscuit or spring is permitted on 3rd link. No shocks permitted on 3rd link.

10. STEERING

- A. Quick release steering wheel with 2" thick pad in the center required. Collapsible column, two u-joints ok.

11. BRAKES

- A. Four wheel brakes. Any steel non-coated rotor. Any hub, caliper, pedal, master cylinder and bias valves.

12. Tires and Wheels

- A. Maximum 8" wide steel wheels. No bleeders. Hoosier 970 8" slick. No treating or modifying.

13. FUEL SYSTEM

- A. Pump or racing fuel only. No additives, blending, alcohol, cooling, or oxygenates.
- B. Approved steel fuel cell mounted as far forward as possible in the trunk. Min. 6" fuel cell can to the ground. 1" x 1" steel cage around the fuel cell can.
- C. Fuel cell assembly must be bolted or welded to a steel framework bolted or welded to the frame of the car.
- D. Fuel cell protection bars required. 18 ga. steel box with ½" drain hole in the lower right rear corner. Ground strap from filler neck to the frame. Tethered cap.
- E. No glass filters, electric fuel pumps or belt driven fuel pumps.
- F. Fuel line must pass through metal tube sealed at both ends if run through driver's compartment and marked "DO NOT CUT FUEL LINE".

14. SEATS AND SAFETY EQUIPMENT

- A. For all safety equipment. It will be the sole responsibility of the driver, not SWS, 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.
- B. Aluminum professionally built high back racing seat required. No plastic, etc.
- C. Padded headrest required.
- D. Seat must be securely bolted to a mount assembly that is an integral part of the roll cage. 6 bolts min.
- E. Seat will not be attached to the floorboard.
- F. A five (5) point safety harness, with quick release is mandatory! 3" wide lap belt, 2" or 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.
- G. Cotton harness components prohibited.
- H. Safety harnesses/seat belts may be no more than three (3) years old. Must have manufacture date.
- I. Helmets; Head and Neck Restraint Devices:
 - 1. Snell SA2010 or SA2015 helmet required.
 - 2. Full face helmets with Lexan face shield recommended.
 - 3. Nomax helmet, skirt, and Nomax covered chinstrap highly recommended.
 - 4. A HANS or Hutchens type head and neck restraint device is recommended.
- J. Window net mandatory! Minimum 1" mesh with release at top only. It is required that all window net releases be updated to the quick release seat belt type with releases located and facing the outside of the car. No close mesh off-road type allowed.
- K. Fire suit mandatory at all times.
- L. Approved racing gloves mandatory. No welding gloves, gardening gloves, etc.
- M. Approved racing shoes mandatory.

- N. Eye protection is mandatory and must be in proper place at all times.
- O. Current test date (2 pound minimum) fire extinguisher to be installed in the car within drivers reach while strapped in.
- P. Steel mounts only, no plastic.
- Q. All cars will be required to have in their pits a minimum of one five pound, Halon or dry chemical fire extinguisher. This is to be visible to tech officials and all crewmembers. All crew members must be made aware of this location, and knowledgeable in the use of the fire extinguisher.
- R. Car and driver will be required to make safety rule violations comply PRIOR to racing any event.
- S. The use of a two-way radio with a spotter and/or pit crew is recommended, not mandatory. SWS official radio frequency is (TBD). It is highly recommended that all racers monitor this frequency during all races. This will speed up getting cars lined up during yellow flags.

15. APPEARANCE AND IDENTIFICATION

- A. All cars are to be neatly and brightly painted.
- B. Numbers will be a minimum of 18" on the roof and both door panels. Numbers on the roof to face toward scoring tower (flag stand).
- C. Numbers assigned to car will be displayed on the top right front of windshield, 3" minimum.
- D. No duplication of numbers, additional letters such as "X", "Y", "and N" are not to be used.
- E. Advertising or names on the windshield is permitted.
- F. Advertising that is deemed to be unsuitable/offensive, will not be allowed.
- G. Decision of SWS will be official.
- H. Series sponsor decals, if any, must be placed on designated location of car.

NOTES: AMENDMENTS MAY BE MADE AT ANY TIME.

THEY WILL BE POSTED. ALL DRIVERS WILL HAVE ONE RACE TO MAKE CHANGES.

Questions? Ray Butler 1safetydude@gmail.com (661)361-0871

Rosamond Car