

# SOUTHERN OREGON SPEEDWAY

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## PRO-STOCK RULES 2009

### 1. MODELS

- A. American sedans, hardtops and convertibles
- B. 108 inch wheel base minimum.

### 2. CHASSIS:

- A. Factory production complete full frame, 1960 or newer parallel American passenger car frame or frame clip from a unibody car only.
- B. Full frames may be cut in rear at a point no further forward than 36 inches from the centerline of the rear end housing.
- C. Unibody front clips must retain 19" forward and 20" rearward of spring centerline.
- D. **NO** fully fabricated chassis allowed.

### 3. BODIES:

- A. Full steel, aluminum or fiberglass body; must be stock appearing. Side panels must have two (2) breaks.
- B. All body parts must remain stock appearing and must remain in place unless otherwise approved by tech-man. Aluminum hood, fenders, doors and trunk lid allowed with a minimum of .040" thickness. Roof **MUST** be stock appearing.
- C. Race car appearance should be kept neat and clean at all times.
- D. Fenders may be trimmed and rolled for tire clearance.
- E. No uncovered holes in hood or trunk except for air cleaner.
- F. Rear spoilers optional. Maximum 6" blade length attached to trailing edge of deck lid.
- G. Stock firewall optional. Replacement firewall and dog housing optional. Interior sheet metal; minimum 22-gauge steel or .040" aluminum.
- H. All chrome and trim pieces must be removed from body panels.
- I. Doors must be securely fastened.

- J. Windshield must have a minimum of three (3) ¼” solid steel or ½” tubing in front of driver for protection.
- K. OEM body must run stock appearing front bumpers; plastic optional. After-market body must run molded plastic stock appearing front bumper.
- L. Bumpers must be braced to prevent hooking to other cars but not to exceed the width of outside tires.
- M. Rear of body must be closed from top deck, attaching to outer fenders, to point of frame rails and fastened securely. No open holes. No flapping panels.
- N. After-market body must fall within the attached measurement guidelines.
- O. Nerf bars to be no wider than the tires. Rub rails to be attached flat to body. Both are made a maximum of 1 ¼” tubing with NO open-end tubes.
- P. All cars will be numbered with a minimum of 18” numbers on both sides and top of car. **NO REFLECTIVE NUMBERS!** Numbers to contrast body color.

#### 4. **ENGINES:**

- A. Any size or make V-8 engine.
- B. Any cast-iron head. NO aluminum heads or blocks.
- C. Engine location: #1 spark plug can be no further back than middle of lower ball joint. If stock location is further back it must be moved forward.
- D. Any single carb manifold.
- E. Any hydraulic camshaft. NO rollers.
- F. Any style header allowed. Must run through muffler.
- G. V-8 stock rocker arms **Mandatory.** No roller rockers or roller tips.
- H. NO electronic traction control or timing control devices of any kind.
- I. Any single carburetor allowed.
- J. Any gasoline fuel allowed. NO nitrous oxide, nitro methane or alcohol.

#### 5. **FRONT SUSPENSION:**

- A. Must be unaltered OEM parts.
- B. Lower control arms must be in stock location.
- C. Upper control arms may be after-market and do not have to be in stock location (rod-end type o.k.).
- D. Steering box must be stock OEM and must remain within original bolt pattern of frame used.
- E. NO rack and pinion.
- F. Tie rods can be radius rod type with stock type inner tie rod end and a min. 5/8” rod end outer weight jacks optional.

## 5. REAR SUSPENSION:

- A. Must be stock type 3 link, 4 link, or stack leaf. Mountings can be adjustable and multi-positioned. **NO** aluminum components.
  - B. Coil springs must be mounted to top of rear end housing within 4" of centerline of rear end housing; forward or backward. Cannot be mounted on trailing arm.
  - C. Leaf springs may use sliders.
  - D. Top link on coil spring 3-link, can be no longer than 28" center to center.
  - E. Heim joints and swedge rods allowed.
  - F. **NO** coil springs with less than 4 ½" OD.
  - G. Racing shocks allowed; one (1) shock and spring per wheel. Weight jacks are allowed.
  - H. "J" bars allowed in place of pan hard bar. No cushions or biscuits.
- The following items specifically **CANNOT** be used: Coilovers, coilover eliminators, bisquit bars, lift bars, pull bars, push bars, mono leaves, bird cages, Reese bars, traction bars, spring bars, any bar that goes from rear end housing toward rear of car, brake shocks, brake floaters, or any other non stock type item.

## 7. REAR-END:

- A. Any OEM manufacturer type rear-end will be allowed.
- B. Locking differential or floater rear-ends will be allowed.
- C. No aluminum housing or carriers.
- D. No Gold-track, True-track or similar type, traction controls.
- E. Open-mini spool, full spool, or welded spider gears **ONLY**.

## 8. TRANSMISSION:

- A. OEM standard or automatic transmission **ONLY**. Must have two (2) forward and one (1) reverse gear.
- B. All automatic transmissions must run converter.
- C. Standard transmissions must run steel or iron flywheels and standard 10 ½-11" OEM clutch. NO after-market racing clutches. Any steel or iron flywheel allowed.
- D. 180 degree scatter-shield made of ¼" steel plate **MANDATORY** on both automatic and standard transmissions. Blow-proof bell housing optional.
- E. No aluminum bell housing.

## 9. COOLING SYSTEMS:

- A. Any radiator okay. MUST remain in front of engine.
- B. All radiators must have overflow hose directed at ground inside frame rail.

## 10. SEATS AND BELTS:

- A. High-back, left turn, aluminum seat only. No baja seats, stock seats, etc.
- B. Seat MUST be mounted to roll cage and secured to frame.
- C. 5-point seat belt MANDATORY. No old, faded or fraying seat belts. 3” lap and shoulder harness MANDATORY. All belts must be in good appearing condition.
- D. Belts must be mounted to roll cage or frame.

## 11. ROLL CAGE:

- A. Roll cages must consist of continuous hoops not less than 1.625 inches outside diameter and must have a wall thickness of at least .090 inches.
- B. Cages must be mounted to frame in at least six places. Roll bar padding in driver compartment is required. Drivers head cannot protrude above cage with driver strapped in driver seat and his helmet on. Must have at least one cross bar in top halo of roll cage.
- C. Low carbon, mild steel, tubing is recommended. No brazing or soldering.
- D. A minimum of four (4) driver side door bars; three (3) on passenger side at least 1 ½” OD and must be as parallel with the ground as possible and perpendicular to the driver to provide maximum protection. The sidebars must be welded to the front and rear of the roll cage members. Steel door-plates are required; 18-guage or .049 inch minimum metal thickness. Must be securely welded to outside of door bars on driver side. Plate must cover the area from the top of the door bar to the bottom door bar and from the rear down post to 5 inches in front of the seat.
- E. No brace bars forward of the cage may be higher than hood height. Main cage no further forward than the engine plate.

## 12. WHEELS AND TIRES:

- A. Any steel wheel; maximum 8" wide. Racing wheels are optional.
- B. Full double centers; 3/16" plate.
- C. Stud size: minimum 9/16"; must stick through lug nut.
- D. Bead-locks allowed on right rear tire **ONLY**. NO bead-locks, screws, or other tire locking devices on any other tire.
- E. Hoosier IMCA G60 on both rear and any G60 on the front. All wheels must be of the same diameter.
- F. Siping and grooving (maximum 3/8 inch) allowed.

## 13. BRAKES:

- A. Rotors and calipers must be stock or stock replacement type **ONLY**.
- B. Vented rotors mandatory.
- C. Pedal assemblies optional.
- D. Must have working brakes on demand on **ALL** four (4) wheels.
- E. NO shut off valves allowed.

## 14. SAFETY:

- A. Helmets are required and must be rated Snell 95 or newer & of similar quality. Helmet must be worn at all times while on the track and must accompany the vehicle at time of inspection. Approved fire retardant driver suits, neck braces and gloves must be worn by the driver. Fire retardant shoes are highly recommended.
- B. Full size (16x20) window net is required unless arm restraints are used. Five-point safety belts, sub belt and shoulder harness required. **NO** faded, fraying or old belts allowed. The shoulder harness must be mounted inside the frame rail and ahead of the rear tires.
- C. A clearly marked "**on & off**" switch within easy reach of the driver is required. A 360-degree drive shaft loop is required and must be made of 1/4 x 2 inch steel strap or 1 inch tubing. Must be mounted within 6 inches of the front of the drive shaft. Drive shafts must be painted white and must be made of steel.
- D. All cars must have a minimum 2½ lb fire extinguisher mounted in a quick release bracket that is within easy access of driver.
- E. All cars must have a hook, chain or eye welded to the front and rear of the car for quick and easy removal from the track. Failure to do so will result in a fine of \$25.00.

- F. Racing fuel cells are required and must be mounted by at least two (2) solid steel straps that are a minimum of 2 x 1/8 inch. Fuel cells must be mounted in steel containers and must be mounted securely behind the rear axle. Fuel cells must be protected by roll cage tubing that extends past both sides of the fuel cell. Fuel cells are limited to a maximum of 32-gallon capacity and must have a rollover valve in the vent. Fuel cells must be mounted at least 4 inches from rear bumper and cannot have the fuel pick-up underneath the cell.
- G. Exhaust system must be mounted so that gasses are directed away from cockpit and any area where a fuel spill could occur.
- H. Battery must be mounted securely and shielded properly.
- I. Any weight added must be made of steel or lead, securely mounted, and must be painted white with the car number on it.

#### **15. MISCELLANEOUS:**

- A. **No** electric fuel pumps.
- B. Engine must be self-starting.
- C. Battery must be mounted outside driver compartment.
- D. Steel driveline **MANDATORY**. **Must** be painted white and must have a strap within 12 inches from front; 1/4" x 2" strap or 1" tubing; 360 degrees minimum.
- C. 2700 lbs **MINIMUM** weight with driver **AFTER RACE**.
- D. **NO REAR VIEW MIRRORS!**

**RULES WILL BE TECHED TO THE INTENT;  
NOT TO THE LETTER!  
TECH-MAN DECISION IS FINAL.**

**IF IT DOES NOT SAY YOU CAN.....THEN YOU CAN'T!!**