



2017

Outlaw Speedway

RWD 4CYL Rules

**#1 – Body**

- 1.1 Any rear wheel drive (RWD) vehicle, which came factory with a 4 cylinder engine.
- 1.2 No convertibles, station wagons, 2 seater sports cars, 4wd, or AWD allowed
- 1.3 Front engine vehicles only
- 1.4 Stock wheelbase only with a 1" tolerance, Must be within ½" of opposite side (no leading)
- 1.5 Minimum weight is 2500lbs with driver, after race
- 1.6 Stock original unibody must have at minimum ½ floor (under driver, cock pitted and sealed), and a full firewall (front and rear)
- 1.7 Full factory body, or stock appearing Five Star type aftermarket body is allowed (May also fabricate your own). Aluminum body panels must be fabricated of a minimum .050. Any vehicle with an aluminum body must have drivers side door bars plated with a minimum of 16ga steel. Rear spoiler max height is 4". No late model noses, and rear must be enclosed
- 1.8 No sail panels allowed (weekly shows)

- 1.9** All body panels must be securely fastened
- 1.10** Hood scoops allowed for clearance only, no exposed air cleaners allowed.
- 1.11** All glass and plastic trim must be removed from inside and outside of vehicle.  
(windshield, mirrors, headlights, taillights, door handles, etc)
- 1.12** Must have a complete 4 point roll cage (6 point highly recommended), installed in a professional manner with a min. 1 ½"x.095 wall steel tubing. Must have a diagonal, "X", or cross brace behind driver. Must have 3 door bars on drivers side (4 highly recommended), and 2 door bars on passenger side with vertical supports between door bars.
- 1.13** Front and rear hoops are mandatory, with a min. 1 ½"X.095 round steel tubing for hoops, and same round or 2x2 or 2x3 tubing allowed for front frame section. Front hoop is designed to replace upper radiator support and front frame rails, and should follow same. Tubing must run from main roll cage forward to front frame, and should have at minimum, 2 down tubes to lower frame rails. Rear hoop is designed to protect fuel cell and must be minimum 1 ½"X.095 round steel tubing, with minimum 2 down tubes to lower frame rails.
- 1.14** Rear frame may be fabricated from 2x3 steel tubing, from centerline of rear axle to back of vehicle.
- 1.15 All vehicles must be presentable**

## **#2 – Suspension General**

- 2.1** All suspension components must be of stock type for make and model of vehicle
- 2.2** No racing, or adjustable shocks or struts allowed
- 2.3** Racing springs are allowed
- 2.4** All suspension mounting points must remain in stock location, no slotting of holes or repositioning any components, for any reason
- 2.5** OEM bushings only. No offset, drilled, softened, or modifying of any kind
- 2.6** Steering quickeners allowed

## **#3 – Engine**

- 3.1** Engine must remain stock as manufactured for vehicle being used
- 3.2** All engines must remain stock stroke configuration as manufactured for vehicle, stock unaltered crankshafts only
- 3.3** No windage trays allowed
- 3.4** Flat top or dish pistons only, no part of piston may extend above deck surface of block (except Toyota laser)
- 3.5** Cast or hypereutectic pistons only. No forged pistons
- 3.6** maximum overbore is .040
- 3.7** No porting, polishing, grinding, welding, or modifying cylinder ports or chambers in any manner (milling allowed)
- 3.8** Stock OEM valves only

- 3.9** Stock OEM non roller cam followers or rocker arms only
- 3.10** Hydraulic or solid lifter cams allowed (as OEM manufactured), aftermarket cams allowed, no more than .460 valve lift, as calculated with a 1.66 ratio
- 3.11** Adjustable timing gears allowed
- 3.12** Factory stock ignition only
- 3.13** Stock, or box stock Holley 4412 or 4412-s carb only, one per vehicle. No XP or HP allowed, must retain stock choke horn and pass tech with track gauges
- 3.14** Vehicles running a 4412 may use a single, 1" straight hole carb spacer
- 3.15** All carb spacers being used must be straight hole only, with no tapering or modifying in any manner
- 3.16** One carb gasket per mating surface only
- 3.17** No air induction inserts or diffusers of any type
- 3.18** Stock, unmodified OEM carbureted intakes only
- 3.19** No electric fuel pumps allowed
- 3.20** Site plug optional to view rods and crank. If bottom end is not accessible by tech, be prepared to remove the oil pan
- 3.21** Headers allowed
- 3.22** Mufflers mandatory
- 3.23** Exhaust must exit behind driver
- 3.24** Exhaust installed inside of car must be covered with tin

#### **#4 – Transmission and Driveline**

- 4.1** Transmission must function in all gears
- 4.2** Flywheel must be stock steel only, with a minimum weight of 18lbs
- 4.3** Clutch assembly must be OEM type only, no lightweight parts allowed
- 4.4** Steel driveshafts only, no aftermarket lightweight driveshafts allowed
- 4.5** Rear differential must be locked (welding or spool)

#### **#5 – Brakes**

- 5.1** 4 wheel brakes mandatory

#### **#6 – Tires and Wheels**

- 6.1** Factory steel or racing wheel allowed with a max width of 7"
- 6.2** No beadlocks allowed
- 6.3** 1" max wheel spacers allowed (front only after 94 model year)
- 6.4** Any offset allowed
- 6.5** All season passenger tires only, sizes may vary
- 6.6** No racing (DOT or not), aggressive, or winter tires allowed

**6.7** May not durometer softer than 50 when hot

**6.8** No racing retreads (Marsh, Diamondback, Towel City, etc)

**#7 – Safety**

**7.1** All batteries must be securely mounted by a steel hold down, that does not allow any movement

**7.2** All batteries mounted inside the drivers compartment must be securely mounted in a marine type battery box

**7.3** Battery disconnect is mandatory, and must be mounted within drivers and safety crews reach. Must be clearly marked ON and OFF

**7.4** Racing fuel cell is mandatory, and must be mounted in a safe and professional manner

**7.5** Fuel cell must be protected from all sides with minimum 18ga steel, and be a minimum 12” from track surface. (see section 1.13 for hoop requirements)

**7.6** Fuel shutoff is mandatory and must be within drivers and safety crews reach. Must be clearly marked ON and OFF

**7.7** Fuel cell vent must have PCV valve or other type of approved rollover safety device

**7.8** All cars must have an aluminum racing seat safely installed with no less than 6 bolts (subject to tech)

**7.9** All cars must have a window net securely mounted

**7.10** All drivers must have a one way radio on the 454.000 frequency

**ALL OFFICIAL AND TECH RULINGS ARE FINAL!!**

\*\* While the above rules offer a good guideline, not everything can be covered by a written rule. If you have any questions, ASK FIRST. Any non covered part can be deemed illegal at any time. Anything not covered in these rules, is not assumed legal.