

# **Nile Valley Race Club**

## **Lovelock Speedway**

### **2010 Hobby Stock Rules**

Adopted 12/3/09

#### **CAR SPECIFICATIONS**

- 1) Any American made rear wheel drive car. Any full size half-ton pickup truck manufactured by Ford, General Motors or Chrysler. No vans, 4WD's or sport utilities.
- 2) Wheel base minimum shall be 107.5 inches.
- 3) Car and/or truck bodies must be completely OEM steel. Plastic nose caps or valances permitted.

#### **SAFETY**

- 1) The roll cage shall be constructed using 1.75 inch outside diameter steel tubing or greater with a minimum wall thickness .095 inches. No tubing on the car can be any greater than 2 inches in diameter. Six point cage consisting of four-point center section and "kicker bars." Center section of cage must consist of main hoop with "X" bracing and halo that clears the drivers head when he is strapped in with his helmet on. The four points of the cage center section must be securely welded to the car's frame rails or mounted on 6x6 inch steel pads 1/4 inch minimum thickness completely welded to unibodies. Rear kicker bars will extend no further than the rear axle on pickup trucks. No cross bracing, weight jacking, or any other sort of reinforcement to the kickers allowed. Windshield bar required. Driver side door must be plated with minimum 18 gauge steel or 3/16" aluminum, from down bar to down bar.
- 2) Front cage hoop permitted. Inner fender wells may be removed.
- 3) Aluminum seat designed for oval track racing is required. Seat must be securely mounted to the roll cage.
- 4) A minimum of three drivers side door bars are required. Passenger side "Z" bracing required – minimum. Driver and passenger doors may be gutted as necessary to fit the cage. Doors ,must be welded shut
- 5) All glass and trim must be removed. No additional gutting or removal of sheet metal is allowed
- 6) Five-point type harness required with three-inch waist and shoulder straps. Harness must be securely bolted to the roll cage with grade 8 bolts.
- 7) Battery must be securely mounted in a box within the drivers compartment, marine type or better.

8) Driver's window net is required and must be mesh or ribbon style. Securely mounted screen and a minimum of three vertical bars are required in front of driver.

9) Fuel cell is mandatory. Must be located in trunk area and mounted securely. Pickup trucks must use a metal enclosed fuel cell mounted securely in the bed area between the frame rails. Metal enclosed fuel cells must use no greater than 18-gauge (.049") material. No more than 3 foot of rubber hose on fuel system may be hooked to stock fuel line. Fuel cells are to be a maximum of 22 gallons and must have a roll-over valve. Fuel lines through driver compartment must run through metal pipe or metal conduit. One fuel filter only, not in drivers' compartment.

10) Helmet must be SNELL 95 or better. Helmet must be in good condition with no signs of damage or excessive wear. Helmet must be worn at all times vehicle is on the track.

### **DRIVETRAIN SPECIFICATIONS**

1) Engines and related components must remain stock as manufactured. No angle plug heads on GM engines. No Vortex heads. Blocks, heads, intake, and exhaust manifolds must be OEM cast iron. No rollerized valve train components. No grinding, polishing or porting of any kind to the intake exhaust runners or manifolds

2.) No stroker motors.

3.)No roller cams, flat tapet cams only.

4.) Radiators must be mounted in stock position. Stock mechanical fuel pumps and stock power steering systems are required.

5.) Engine must be mounted in stock position.

6.) OEM and factory transmissions allowed.

7.) Spec Carburetor – Unmodified Holley 4412's only, not exceedind 500 cfm, with restrictor plate optional. Tampering with this part will carry penalties and fines.

a) No after market metering blocks.

b)Changing of squirters, jets and power valves is OK.

c)Removal of choke plate OK. Must leave choke horn.

d)All 4412's are subject to passing a no-go gauge.

e)One (1) adapter no more than one (1) inch in height. No tampering allowed.

f)All cars are subject to inspection at anytime and may require the removal of some components.

8.) Gasoline / 110 race fuel OK, no methanol. No electric fuel pumps.

9.) Engine is subject to inspection at any time, which may include removal and inspection of the following: Carburetor, valve covers, intake and exhaust manifolds.

10.) Electric cooling fans are permitted.

11) Radiator spray bar, pump and reservoir are permitted. Maximum reservoir capacity is five (5) gallons. System must be operational. Reservoir and system components must be securely mounted. Reservoir can only be mounted in the drivers compartment.

12.) Stock bumpers are required to be chained securely to the frame.

13.) Locked rear ends optional. Nine inch ford allowed.

### **FRAME, SUSPENSION, WHEELS AND TIRES**

1) Uni- body car may create frame to tie front and rear suspension. No racing equipment allowed on suspension. Stock shocks are required in stock position with stock mounts.

2) Suspension mounting points, trailing arms, control arms and sway bars must remain stock factory unmodified. No weight jacking devices spring spacers, adjustable spring shackles, sliders or lowering blocks. Suspension components must match year, make and model of the car.

3) Steel wheels only, eight-inch maximum width. One beadlock allowed. Right rear wheel must be heavy duty. DOT P rated radial tires only. No recaps, heavy lug, mud terrain or studable snow tires. Maximum width of tread is nine inches. No leeway! No grooving, siping or chemical treatment/softening. Maximum 255/60 tire size.

4) No additional weight or ballast of any kind may be added anywhere on the car.

5) Brakes must function on all four wheels. No adjustable brake proportioning valves or any kind of shut off device. Emergency brake cable must be cut or removed.

6) All Brake components including pedal, master cylinders, calipers, Rotors, spindles, drums and related subcomponents must be stock or OEM replacement.

7) Steering system must be stock or OEM replacement for make and model used.

### **TECH INSPECTION**

1.) Any top finisher who leaves the track and returns to his/her pit without undergoing inspection (and without track official approval) will be disqualified and lose all points for the evening.

2.) At a minimum, the top four (4) finishers will be subject to inspection of the following components:

a.) The engine will be checked for any significant vacuum leak that could constitute cheating.

- b.) Ballast: Visual inspection in, around and under cars for any added weight.
- 3.) If NVRC / Lovelock Speedway tech inspectors discover any violation by any driver, the offending competitor will be immediately disqualified for that event. If a disqualification occurs for any of the above reasons, they will lose any and all points for that event.