

# *Valley Sprints*

## *2012 Rules Package*

**\*\*\* CHANGES IN CAPS AND UNDERLINED \*\*\***

### **DISCLAIMER:**

The rules and regulations set forth herein are designed to facilitate an orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules are to govern the condition for all Valley Speedway events, by participating in these events; all agree to comply with these rules and regulations. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND REGULATIONS. These rules are intended strictly as a guide for the conduct of the sport, and in no way guarantee against any injury or death to participants, spectators, officials, or any others. The race director shall have power to permit any reasonable and appropriate deviation from any of the specifications and procedures minimum requirements. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM ANY SUCH DEVIATION OR RESTRICTION OF THESE SPECIFICATIONS, RULES, OR PROCEDURES. In the event of a car not meeting the Valley Speedway minimum requirements, certain restrictions may be applied for a temporary time to enable the car to compete.

**Class goal: It is the intention of this class to open nonwinged sprint racing to incorporate cars of different engine size into one combined class. The rule structure has been modified to allow for sprint cars to race in a competitive and equitable race setting. This is a new class and Valley Speedway is attempting to provide a facility to race existing vehicles across the Midwest on a weekly basis.**

### **Specific Rules:**

#### **1. FUELS:**

Methanol or Ethanol fuel only. Fuel will be checked with a chromatograph for additives. No fuel additives of any kind allowed. If fuel is detected of additives, the car will be disqualified for the remainder of the night's events. All monies earned will be forfeited to the point fund.

#### **2. FUEL TANKS & CELLS:**

All fuel tanks must have a bladder and be securely fastened. Fuel shut off valve is required and must be accessible by the driver while fully restrained inside the car.

#### **3. FLY WHEELS & STARTERS:**

Optional

#### **4. EXHAUST SYSTEM:**

Exhaust must be mounted in a manner that direct fumes away from the cockpit and tank.

MUFFLERS ARE MANDATORY! Cars are required to use the functioning SHOENFELD model # 112535 or SHOENFELD #IMCA 609, OR OTHER APPROVED MUFFLER.

#### **5. IGNITION SYSTEM:**

Magnetos, electronic ignition with points are allowed. Gel-cell batteries are recommended if a battery is required. Liquid filled batteries must be fully enclosed and be securely fastened. Any loss of parts during a race will result in disqualification. All cars must have ignition switch mounted on dash. No traction controls allowed.

#### **6. COCKPIT: No cockpit adjustments of any kind allowed.**

#### **7. CHASSIS:**

Any sprint car chassis is allowed, but must pass any inspections performed by track or MSCA official. The roll cage must be of a four post design. The wheel base not less than 83" and not more than 90". Driver's helmet cannot be higher than or stick thru the roll cage. If the car is seen to be unsafe to these standards, it will not be allowed to compete.

#### **8. ROLL CAGES:**

Top Rail: 1-1/2" x .095

Bottom Rails: 1-3/8" x .095 or 1-1/2" x .083

Roll Cage Uprights: 1-3/8" x .083

Roll Cage Top Cross Members: 1-1/2" x .095

Upper Rails: 1-3/8" x .083 or 1-1/4" x .065

Braces: 1-1/4" x .065

Suggested materials: 4130 normalized chrome molly alloy. No aluminum frames allowed.

\* For all specifications for frame dimensions and ballast locations, look up the rules tab at [Knoxvillraceway.com](http://Knoxvillraceway.com) to review frame specifications. Valley Speedway's are the same.

#### **9. DRIVE LINE HOOPS:**

All cars will be required to have a drive line hoop constructed of .065 steel either welded or bolted to the chassis or strap restraint securely fastened to the lower frame rails. A mandatory rear cross member, constructed of .083 steel, must be in place. Steel torque tube safety loops under driver's seat mandatory.

#### **10. BODY:**

All cars are required to run a full sprint appearing hood, side panels and floor pan. Body parts can be aluminum, fiber glass, or carbon fiber, should be on car where protection is required. No body panels can overlap frame rails more than 1". No fins allowed on side panels or nerf bars. No pieces can be added to the frame for the usage of additional wedges or foils.

#### **11. REAR BUMPER, NERF BARS, DRAG LINKS & STEERING ROD:**

Steel only. It is highly recommended that drag links have a tether fastened to the frame.

#### **12. ROCK SCREENS:**

Valley Speedway strongly recommends all cars to have them at all times.

#### **13. FRONT AXLE:**

Steel only 2" outside dimension minimum.

**14. BOLTS;**

Grade 8 bolts are the suggested minimum bolt. No hollow or drilled bolts will be allowed.

**15. DRIVELINE & REAR ENDS:**

Quick change rear ends, steel torque tubes with safety loops under driver's seat mandatory.

**16. BREAKS:**

Only steel, aluminum, titanium or carbon fiber rotors allowed. Disk brakes only.

**17. SHOCKS:**

Any type shocks are allowed. No cockpit adjuster allowed.

**18. NUMBERS:**

Numbers must be visible and neat appearing. Numbers must be on 12" on both sides of the tail tank and fuel tank. In addition, a 12" number is required on the front hood.

**19. TIRES:**

The right rear tire must HOOSIER MEDIUM, and will be checked at every event. Left rear and fronts are open at this time.

**20. WEIGHT RULE:**

All cars in this class must weigh 1,500 POUNDS AFTER RACE IS COMPLETE.

**21. SAFETY EQUIPMENT:**

Drivers are responsible for their own safety equipment condition. Valley Speedway officials may not allow you to compete if it is determined your equipment is unsafe or outdated. Driver's suit minimum requirements are SFI -5 rating multi layer or single layer in conjunction with Nomex underwear. A Nomex head sock, socks, gloves, neck collar and shoes. The car will be equipped with a cage net on the right side or a head rest attached to the driver's seat. Hans's device or equal strongly recommended

**22. SEAT BELTS & DRIVER RESTRAINTS:**

Seat belts must be in good condition and have no signs of wear. It is recommended they are to be replaced every year. A 5 or 6 point configuration is attached to frame and roll cage. All belts are to be 3" minimum size with a 2" sub strap, with legible tags. Arm restraints and neck restraints or neck collars are mandatory. Approved sprint car safety seats are mandatory.

**23. HELMETS:**

Full face helmets with a SA Snell of 2000 or newer with head restraint mandatory. A use of a securely fastened steering wheel with a quick disconnect and removable steering wheel is mandatory. Head nets are required if seats are not equipped with head rests.

**24. COMMUNICATIONS:** A track approved raceceiver is mandatory for this race class.

**The track owner/promoter exercises the right to modify this rule structure as deemed necessary.**