

# CLASS 1000

## OPEN-WHEEL UNLIMITED SUSPENSION LIMITED ENGINE

One or two seat open-wheeled cars, no fenders.

### GENERAL REGULATIONS

Class entrants shall comply with all class and applicable general regulations.

### COMPETITION REGULATIONS

This is an open class and all components will be considered open unless otherwise stated within these class rules.

**Note:** The SCR abbreviations refer to the cross-reference listings in the front of this book and are part of the class rules. Where a conflict between the cross-referenced listings and a rule contained under this class occurs, the rule contained under this class has precedence.

### SAFETY EQUIPMENT

- SCR1: HELMETS
- SCR2: PROTECTIVE CLOTHING
- SCR3: EYE PROTECTION
- SCR4: HEAD AND NECK RESTRAINTS
- SCR5: FIRST AID KIT
- SCR6: BREAKDOWN SAFETY DEVICES
- SCR7: HORNS
- SCR8: REFLECTORS
- SCR9: FIRE EXTINGUISHER
- SCR10: SURVIVAL SUPPLIES

### SUSPENSION COMPONENTS

- SCR11: SHOCK ABSORBERS & BUMP STOPS
- SCR12: SECONDARY SUSPENSION
- SCR13: WHEELS & TIRES
- SCR14: FASTENERS

### STEERING & BRAKE COMPONENTS

- SCR15: STEERING
- SCR16: BRAKES
  - Steering or turning brakes permitted.

### ELECTRICAL SYSTEM

- SCR17: IGNITION
- SCR18: BATTERIES
- SCR19: LIGHTS
- SCR20: STARTER

**FUEL SYSTEM**

**SCR21: FUEL**

**SCR22: FUEL TANKS**

Safety fuel cells are required.

**SCR23: FUEL FILLER VENTS AND CAPS**

**ENGINE TRANSMISSION AND DRIVELINES**

**SCR24: ENGINE LOCATION & DISPLACEMENT**

Any engine may be used providing:

- A. It is a design that has been series produced in quantities of 5000 units or more and is readily available to the general public in the U.S.A.
- B. It did not displace more than 2400 cc in the stock form.
- C. It retains a maximum of four valves per cylinder.
- D. It is not a rotary-piston engine.
- E. It does not displace more than the following:

**Special Note: There will be no modifications allowed to stock production engines. Custom Oil Pan or After-Market Oil Pans are allowed and **Aftermarket Harmonic balancers are allowed****

<b>Water-cooled engines</b>		
Single-seat	1800cc – 8 valve	Single two-barrel carburetor
Single-seat	1750cc – 16 valve	Single two-barrel carburetor or stock fuel injection with max throttle body of 58.5cm
Two-seat	1900cc – 8 valve	Single two-barrel carburetor
Two-seat	1850cc – 16 valve	Single two-barrel carburetor or stock fuel injection with max throttle body of 58.5cm
<b>Air-cooled engines</b>		
Single-seat	2200cc – four-cylinder push rod	May utilize 2 carburetors or stock fuel injection
Two-seat	2400cc – four-cylinder push rod	May utilize 2 carburetors or stock fuel injection
<b>Stock Prod. Engines</b>		
Single-seat or Two-seat	2.2, or 2.4 liter, GM Eco-Tech engine sealed by Turnkey Engine Supply	Must use stock multi-port or Direct fuel injection with any manufacture ignition system. This excludes forced induction.
Single-seat or Two-seat	2.0 liter, 16 Valve, Ford Engine I4-DI-TIVCT Sealed by Turnkey Engine Supply	Must use stock Ford direct injection with Ford manufactured ignition, when available mid-2011.

**\*\*For the Class 1000, all engines must be sealed by one of the approved BITD engine sealing/tagging company listed below:**

Turnkey Engine at [www.turnkeyenginesupply.com](http://www.turnkeyenginesupply.com) – 760-966-2663.

Wik's Racing Engines – 3265 Birtcher dr. LV, NV 89118 - 702-837-2522

DanZio Performance - <http://www.danzioperformance.com> – 951-245-2537

CBM / Chris Bland – 725 S. La Cadena Dr Colton, Ca 92324 - 909-291-7550

Redline Performance – 1380 North Lakeview Av Anaheim, Ca 92708 – 714-777-5758

- F. Single and two-seat vehicles may use carburetors providing:
  - 1. It retains a maximum of two venturi per carburetor.
  - 2. Maximum allowable venturi size is 42mm.
  - 3. Carburetor(s) must be of the production automotive type.

- G. Fuel injection is stock production with the following restrictions:
1. Intake manifold will remain as delivered by the manufacturer. It must retain it's stock shape, size, and configuration. No porting or other modifications. Ports may be matched to the heads, but matching may not exceed .250" (1/4 inch) deep. Manifold must be the unit that was installed and delivered on the engine by the original manufacturer. Only U.S.A. delivery fuel injection is permitted. Manifold must be installed and sold on production vehicles for street use in the U.S.A. and be readily available to the general public.
  2. Throttle body must be production (OEM) type readily available to the general public in the U.S.A.

**SCR25: ENGINE REPLACEMENT**

**SCR26: TRANSMISSION**

**SCR27: THROTTLES**

**SCR28: EXHAUST**

**SCR29: DRIVESHAFTS**

**SCR30: FLYWHEEL SHIELDS**

**SCR31: FLUID COOLERS**

**SCR32: AUXILIARY EQUIPMENT**

**SCR33: SUPERCHARGERS & TURBOCHARGERS**

#### **VEHICLE SAFETY EQUIPMENT**

**SCR34: ROLLCAGES**

**SCR35: SAFETY HARNESS**

**SCR36: SAFETY NETS**

**SCR37: SEATING**

#### **GENERAL VEHICLE COMPONENTS**

**SCR38: DRIVER'S COMPARTMENT**

**SCR39: DOORS & LATCHES**

**SCR40: FIREWALLS**

**SCR41: BALLAST**

**SCR42: WEIGHT**

**SCR43: FLOORBOARDS**

**SCR44: BUMPERS**

**SCR45: MIRRORS**

**SCR46: SKID PLATES**

**SCR47: STORAGE**

**SCR48: FENDERS**

**SCR49: CHASSIS & BODY**

**SCR50: HOSES**

**SCR51: IDENTIFICATION MARKERS**

**BITD** will assign vehicle numbers.

**SCR52: ADVERTISING ON VEHICLES**

**SCR53: WORKMANSHIP**

**SCR54: RADIO EQUIPMENT**