

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**

| Water-cooled engines | | |
|-----------------------------|--|--|
| 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 |
| Air-cooled engines | | |
| 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 |
| Stock Prod. Engines | | |
| Single-seat or Two-seat | 2.2, or 2.4 liter, or 2.5 L GM Eco-Tech engine | 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. |
| Single-seat or Two-seat | 2.4 L sealed Honda Engine K24A | Block must have K24A stamped badge. Cylinder head and intake manifold must have RBB casting id. Throttle body can operate by wire or drive by cable. Max Sz 65 mm. Any oil pan allowed. No Dry Sump or Vacuum Pump allowed. Must K24RBB oil pump with blank shaft and pick up tubes can be modified. |

****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 – 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: ROLL CAGES

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