



## **CLASS 10**

### **Unlimited Open Wheel-Limited Engine**

*\* Updated December 30th, 2019 \**

#### **DEFINITION**

Unlimited 4 wheel single and two seat vehicles with an limited engine.  
No production bodied vehicles allowed in this class.

#### **GENERAL REGULATIONS**

Entrants in this class shall comply with all applicable general regulations.

#### **TECHNICAL REGULATIONS**

This class is an open class and all components will be considered open unless restricted herein.

***NOTE:** The TR abbreviations listed under this class (I.E. TR1 HELMETS) refer to TR cross reference listings in the front of this book. These TR cross-referenced listings are part of the class rules. Where a conflict occurs between the TR cross-referenced listing and a rule contained under this class, the rule contained under this class takes priority.*

### **SAFETY EQUIPMENT**

- TR1 HELMETS**
- TR2 PROTECTIVE CLOTHING**
- TR3 EYE PROTECTION and DENTURES**
- TR4 HEAD AND NECK RESTRAINTS**
- TR5 FIRST AID KIT**
- TR6 EMERGENCY SIGNALING DEVICES**
- TR7 HORNS**
- TR8 REFLECTORS**
- TR9 FIRE SUPPRESSION EQUIPMENT**
- TR10 SURVIVAL SUPPLIES**

### **SUSPENSION COMPONENTS**

- TR11 SHOCK ABSORBERS and BUMP STOPS**
- TR12 SECONDARY SUSPENSION**
- TR13 WHEELS and TIRES**
- TR14 FASTENERS**
- STEERING and BRAKE COMPONENTS**
- TR15 STEERING**
- TR16 BRAKES**

## **ELECTRICAL SYSTEM**

**TR17 IGNITION**

**TR18 BATTERIES**

**TR19 LIGHTS**

**TR20 STARTERS**

## **FUEL SYSTEM**

**TR21 FUEL**

**TR22 FUEL TANKS**

**TR23 FUEL FILLERS LINES, VENTS, and CAPS**

Fuel cell mandatory.

## **ENGINE, TRANSMISSION and DRIVELINES**

### **TR24 ENGINE and ENGINE DISPLACEMENT**

Any engine may be used providing:

- 1) It is a design that has been series produced in quantities of 5,000 units or more and is readily available to the general public in the U.S.A.
- 2) It did not displace more than 2400cc in the stock form.
- 3) It retains a maximum of four (4) valves per cylinder. Has no more than four (4) cylinders.
- 4) Single seat vehicles must not displace more than:
  - a) 1800cc water-cooled eight valve with a single two-barrel carburetor.
  - b) 1750cc water-cooled sixteen valve with a single two-barrel carburetor or stock fuel injection. Max throttle body size 58.5mm.
  - c) 2200cc four cylinder, push rod, air cooled with one (1) or two (2) carburetors, or stock fuel injection.
  - d) Stock production GM Eco-Tech engine. 2.2L or 2.4L. Engine must be sealed by an approved M400 engine builder.
  - e) Ford 2.0L 14-DI-TIVCT engine. Engine must be sealed by an approved M400 engine builder.
- 5) Two seat vehicles must not displace more than:
  - a) 1900cc water-cooled eight valve with a single two-barrel carburetor.
  - b) 1850 water-cooled sixteen valve with a single two-barrel carburetor or stock fuel injection. Max throttle body size 58.5mm.
  - c) 2400cc four cylinder, push rod, air cooled with one (1) or two (2) carburetors, or stock fuel injection.
  - d) Stock production GM Eco-Tech engine. 2.2L or 2.4L. Engine must be sealed by an approved M400 engine builder.
  - e) Ford 2.0L 14-DI-TIVCT engine. Engine must be sealed by an approved M400 engine builder.

- 6) It is not a rotary-piston engine.

**Single and two seat vehicles may use one carburetor providing:**

1. It retains a maximum of two (2) venturi per carburetor.
2. Maximum allowable venturi size is 42mm.
3. Carburetor(s) must be of the production automotive type.
4. Four cylinder, push rod, air cooled motors may use two (2) carburetors.

Fuel injection is stock with the following restrictions:

1. Intake manifold must remain as delivered by the manufacture. It will retain it's stock shape, size, and configuration. No porting or other modifications. Ports may be matched to heads, but matching may not exceed .250 inches (1/4 inch) deep. Manifold must be the unit that was installed and delivered on the engine by the original manufacture. Only U.S.A. delivery fuel injection is allowed. Manifold must be installed and sold on production vehicles that are sold for highway 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.

If M400 at anytime during the racing season determines that any particular brand or make of engine has an advantage, we may equalize that engine either by a reduction in cc's or the use of a restrictor. These changes may be required during the racing season.

**TR25 ENGINE REPLACEMENT**

**TR26 TRANSMISSION**

**TR27 THROTTLES**

**TR28 EXHAUST**

**TR29 DRIVE SHAFTS**

**TR30 FLYWHEEL SHIELDS**

**TR31 FLUID COOLERS**

**TR32 AUXILIARY EQUIPMENT**

**TR33 SUPERCHARGERS and TURBOCHARGERS**

**VEHICLE SAFETY EQUIPMENT**

**TR34 ROLL CAGES**

**TR35 SAFETY HARNESS**

**TR36 SAFETY NETS**

**TR37 SEATING**

## **GENERAL VEHICLE COMPONENTS**

**TR38 DRIVERS COMPARTMENT**

**TR39 DOORS AND LATCHES**

**TR40 FIREWALLS**

**TR41 BALLAST**

**TR42 WEIGHT**

**TR43 FLOORBOARDS**

**TR44 BUMPERS and HAZARDOUS PROTRUSIONS**

**TR45 MIRRORS**

**TR46 SKID PLATES**

**TR47 STORAGE**

**TR48 CHASSIS and BODY**

No production bodied vehicles allowed in this class.

**TR49 HOSES**

**TR50 IDENTIFICATION MARKINGS**

M400 will assign race numbers.

**TR51 ADVERTISING on VEHICLES**

**TR52 RADIO EQUIPMENT**

**TR53 WORKMANSHIP**

**TR54 TRACKING DEVICE**