

CLASS 1100
(CLASS 10 LIGHTS)
OPEN WHEEL – BEAM SUSPENSION
AIR COOLED ENGINE & FORD PRODUCTION
2-LITER 16 VALVE ENGINE dohc i-4 WATER COOLED

One or two seat open-wheeled cars, no fenders, and limited to air-cooled engines and twin beam suspension with trailing arms.

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

Front Suspension

Front suspension is limited to VW type 1 configuration only. Suspension must be of the twin beam with trailing arm type only.

Beam is open including the width and manufacturer.

Trailing arms are open including the width and manufacturer.

Spindles are open.

- 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

Engine must be a VW type 1 and adhere to the following:

- 1) It retains a maximum of two (2) valves per cylinder.
- 2) Single seat vehicles are limited to a maximum of 1776cc.
- 3) Two seat vehicles are limited to a maximum of 1835cc.
- 4) All vehicles are limited to one (1) carburetor. Any make of carburetor may be used with the following provisions.
 - a) Limited to a maximum of two (2) venturis.
 - b) Maximum allowable venturi size is 42mm.
 - c) Must be of the production automotive type.

-OR-

Ford production 2.0 liter 16 V DOHC I-4 also, when available mid-2011

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.
-------------------------------	---	---

This is a rear engine class only and is defined as the engine must be located behind the rear axle centerline.

CLASS 1100 ENGINE OPTION

Engine must be a Type 1 VW

Displacement: Single Seat vehicles do not displace more than 2110cc

Two Seat vehicles do not displace more than 2276cc

Any Bore/Stroke Combination Allowed

Carburetors & Manifolds:

Individual runner manifolds only, no balance tube. 1 3/4" maximum runner size.

No Plenum manifolds allowed.

OE End Castings only allowed. Any modifications allowed.

All vehicles limited to 1 carburetor

Weber 441DF & EMPI HPMX 44 carburetor only allowed

Maximum venturi size is 34mm

Piston: Open

Crankshaft: Open

Compression Ratio: Maximum compression ratio limited to 9.0:1

Cylinder Heads:

Any manufacture cylinder heads. Titanium retainers are allowed. Any valve size and manufacture allowed.
Any valve spring size and manufacture allowed.

Camshaft and Rocker Arms:

Only 1.1:1 & 1.25:1 rocker arms allowed. No roller tip rockers allowed. Any rocker shaft manufacture allowed.

Any camshaft and lifter manufacture allowed.

Any timing gears allowed.

Aftermarket VW Type fan shrouds allowed. Dry Sump, deep sump, and accusump systems allowed.

Ignition: Any ignition system allowed.

SCR25: ENGINE REPLACEMENT

SCR26: TRANSMISSION

Transmission type is open.

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

Minimum weight is 1500lbs for all vehicles.

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