

CLASS 5

OPEN WHEEL – UNLIMITED BAJA BUG

VEHICLES MUST BE A VW SEDAN TYPE 1 HARDTOP OR CONVERTIBLE AS DELIVERED FROM THE FACTORY. 181 SAFARI'S, 900 SERIES PORSCHEs AND KARMANN GHIAs ARE INCLUDED IN THIS CLASS

(non-VW production sedan bodies may be permitted, but must get approval by MORE)

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations

COMPETITION REGULATIONS

This class is an open class and all components will be considered open unless restricted herein. Vehicles must have the external appearance of a VW "Baja Bug". (If a non VW sedan body is chosen and approved by MORE, it must match engine manufacturer's sedan vehicle appearance.)

SUSPENSION COMPONENTS

Front and rear suspension systems may be modified or replaced as long as stock concept (trailing arms, swing axles, IRS, etc) is retained and wheelbase limit is not exceeded. Stock concept suspension may be substituted for an open trailing arm type suspension but wheel base limit may not be exceeded. Torsion bars and/or leaf springs are optional.

ENGINE, TRANSMISSION AND DRIVELINE

Engine and Engine Displacement

Any manufacturer air cooled, 4 cylinder, single cam, push rod, VW concept engine is allowed. Displacement is open. Engine must be naturally aspirated.

Production engines

(Defined as an engine that was sold in quantities exceeding 10,000 units or more and available to the general public)

Any manufacturer production 4 cylinder water cooled engine 2.5 liters or less is allowed.

Must retain the following OEM Parts. No alterations unless stated otherwise in the rules below.

- Head
- Block
- Crankshaft
- Camshafts
- Intake Manifold
- Throttle Body

Blocking and/or opening lubrication and coolant passages will be allowed. Adding, removing, lightening, chamfering or "knife edging" crankshaft counterweights is strictly prohibited.

Heads can be decked for trueing (excess decking resulting in compression ratios exceeding 1/10 over factory specs is forbidden)

Aftermarket engine internals that are not listed as OEM parts above are permitted however, factory displacement and compression ratio remain no more than 1/10 over factory specs.

- No titanium parts allowed.
- OEM valve size must be retained.
- Welding on the cylinder head will NOT be permitted.
- Aftermarket oil pans allowed.
- ECU's are open.
- Engine tags not required.

Displacement and Compression Ratio of podium finishers checked after each race.
(cannot exceed factory specs by more than: compression ratio .2, cylinder bore 1mm / .040")

Factory Compression Ratios:

GM

PI 2.4 Ecotec (10.4 to 1)
DI 2.4 Ecotec (11.2 to 1)
DI 2.5 Ecotec – (11.2 to 1)

Honda

K24 – (10.5 to 1)
DI K24 – (11.6 to 1)

Subaru

2.5 EJ (10.7 to 1)

Toyota

2.5 AR (10.4 to 1)
2.4 AZ (11 to 1)

GENERAL VEHICLE COMPONENTS

Drivers Compartment

Sheet metal front and rear firewalls are required and may be attached to the roll cage. Interior sheet metal may be removed only if stock appearance is retained from the outside and firewall ruling is complied with. Rear seat, upholstered panels, headliners, and carpets may be removed. Pedals may be of any manufacture and location is optional. Single seat, center drive configurations are permitted.

Doors and Latches

Doors must remain in original stock location and maintain stock shape and size. Doors may be welded or fastened shut.

Fenders

Full coverage fenders must be used. Fender mounting location must remain stock. Fenders may be one piece fiberglass. Rear fenders when measured at top center must not measure less than 6" from body. Mounting height is optional. Rear fenders may be made of metal or fiberglass but must have rolled edges. Fenders must resemble a VW Baja Bug rear fender

Chassis and Body

Single piece front ends allowed. Any body made of metal or fiberglass may be used as long as Baja bug appearance is maintained. If convertible body is used, Windshield framework must be retained and rear crossover piece forward of engine cover may be removed. Windshield and window glass is optional but must be shatterproof if retained. Wheelbase may be altered to a maximum of 105" as measured from wheel center line to center line front to rear on both sides not to exceed a total of 211" combined. This will be taken at ride height.