

6. Suspension

All parts must be of steel or ferrous material, with the exception of springs, hubs, hub adaptors, rear hub carriers, bearings and bushes.

7. Brakes

Aluminium Alloy brake calipers are prohibited, otherwise unrestricted.

8. Shock Absorbers

Free.

9. Steering

Free.

10. Wheels and Tyres

(a). FF. 1600.

13in diameter steel wheels with a maximum rim width of 5½in are the only wheels permitted. They must be of standard manufacturer but the off-set may be altered.

It is recommended that weekly checks for cracks be carried out and that wheels be renewed twice a year.

The only tyres permitted are those listed in tyre regulations.

(b). FF. 2000.

13in diameter wheels with maximum front rim width 6in and rear 8in are the only wheel sizes permitted. Material is unrestricted providing it is metal.

The only tyres permitted are those listed in tyre regulations.

11. Transmission

(a). The gearbox must include an operable reverse gear, capable of being engaged by the driver whilst normally seated, and contain not more than four forward gears. The ratios are free.

(b). Rear wheel drive only is permitted.

(c). Final drive ratio is free.

(d). Torque biasing, limited slip and locked differentials are prohibited.

12. Fuel System

Fuel tanks outside the chassis frame must comply with FIA Spec/FT3. Inboard fuel tanks, covered externally with a fireproof coating, are acceptable for events less than 70kms (44 miles).

13. Fuel Capacity

Maximum capacity 41 lit (9 gal.) unless carried in FIA Spec/FT3 tank.

14. Weight

(a). FF. 1600 400kgms (882lbs) minimum.

FF. 1600 420kgs (926lbs) w.e.f. 1.1.80.

(b). FF. 2000 440kgms (970lbs) minimum.

15. Engine Sealing

All engines must have provision for scrutineers wire seals 1/16in holes pre-drilled in readily accessible locations on installed engines are mandatory.

(a). Sump:— two holes through the cylinder block/sump joint flange, one on either side of the engine.

(b). Timing Cover:— at least two retaining screw heads must be cross drilled (FF. 1600).

(c). Rocker Cover:— at least two retaining

screw heads must be cross drilled (FF. 1600).

(d). Cam Cover:— at least two retaining screw heads must be cross drilled (FF. 2000).

Failure to comply with these requirements renders the engine ineligible.

16. Miscellaneous

(a). All cars to be silenced in accordance with AA.6.

(b). Front hub carriers to comply with same regulations as rear hub carriers w.e.f. 1.80.

SPORTS 2000**1. Description**

Open two seater sports racing car fitted with a Standard Ford 2 litre Single Overhead Camshaft "NEA" series engine. Tuning and design are restricted for economy purposes.

2. Safety

See safety requirements nos. 1(a), 1(b), 1(e), 1(h)(iv), 1(i), 1(j), 2(c), 3(a)(iii), 3(b), 4, 5, 6, 8, 9, 10, 11, 13.

3. Chassis

There are no restrictions on the type of construction but no stressed part of the structure may exceed in height 30cm 11.8in above its lowest point.

No engine oil or water tubes are permitted within the cockpit.

4. Bodywork including Aerofoils

(a). The body must provide a cockpit for two seats and cover all mechanical components including wheels and suspension members except for the exhaust pipe, induction system and camshaft cover which may protrude through the engine cover.

(b). Between the front and rear axle lines the body must:—

i. Maintain over a minimum of 70% of the length of the wheelbase and over a depth of 20cm (7.9in) a minimum body width exceeding the greatest overall width across the tyres less 15cm (5.9in).

ii. Exceed in height the top of the tyres over a width of 50cm (19.7in) excepting only cockpit and engine openings. There must be no gap between the main body and the mudguards which must comply with Vehicle Regulations.

(c). The body above chassis level in the region of the cockpit must not be reinforced in any way which would complicate or hinder the rescue of the driver.

(d). The cockpit opening seen in plan view must be symmetrical about the longitudinal axis of the cars and must be large enough for a horizontal rectangle of 80cm (31.5in) by 40cm (15.75in) to be passed through with its minor axis aligned with the vehicles longitudinal axis.

(e). Space for two seats must be provided each of at least 40cm (15.75in) width and be positioned symmetrically about the vehicles

longitudinal axis. There must be at least 25cm (9.9in) wide footspace for both driver and passenger measured at the pedals. The passenger space should provide as much seat space, elbow room, foot and leg room in terms of length width and height as that of the driver.

(f). Maximum height with driver aboard, excluding safety roll-over bar, must not exceed at any time 90cm (35.4in) measured from the ground.

(g). Aerofoils and/or spoilers which are capable of adjustment are only permitted if they are in the form of a flat surface mounted horizontally at the front of the vehicle and vertically at the rear. There must be no gap between these surfaces, or any other aerofoil, and the main bodywork.

(h). Skirts are prohibited.

5. Engine

As per formula Ford 2000 regulations.

6. Suspension

As per formula Ford 1600 regulations.

7. Steering

Free.

8. Brakes

As per formula Ford 1600 regulations.

9. Shock Absorbers

Alloy casings prohibited, otherwise free.

10. Wheels and Tyres

As per formula Ford 2000 regulations.

11. Transmission

As per formula Ford 1600 regulations.

12. Fuel System

Metal tank(s) may be used providing they are covered externally with a fireproof protective coating and are mounted within the main chassis structure.

There must be a liquid tight and fireproof bulkhead separating the fuel tank(s) from the cockpit.

13. Fuel capacity

31.8 lit. (7 gal.) maximum.

14. Electrical

A self starter is mandatory.

Two stop lights and two tail lights each of at least 15 watts rating must be operable.

Auxiliary batteries may be used for starting before a race and in the pits providing approved couplings are used.

15. Weight

480 kgs. Minimum.

16. Engine Sealing

As per formula Ford 2000 requirements.

17. Miscellaneous

(a). Doors and transparent windscreens are optional.

(b). Fire Extinguisher equipment may be located in the passenger space.

(c). All cars to be silenced in accordance with AA.6.

FORMULA SUPER VEE**1. Description**

(a). Formula Super Vee is for single seater racing cars based on original Volkswagen components. Two versions of vehicle will be eligible to compete, one with an air cooled engine and one with a water cooled engine, capacities not exceeding 1600cc.

(b). Volkswagen components are defined as those parts which are shown in the VW-Audi manufacturing company's parts lists and/or bearing a clear identification as original VW-Audi components having undergone all the working processes prescribed by the manufacturer for series production. Components may be reworked or machined but addition of material is prohibited. These components must be capable of identification as VW standard components at all times.

2. Safety

See safety requirements nos. 1(a), 1(b), 1(f), 1(h)(iv), 1(i), 2(c), 3(a)(iii), 3(b), 4, 5, 6, 7, 8, 9, 10, 11, 13.

3. Chassis

Unrestricted, but must not have more than four wheels.

4. Bodywork and Aerofoil Requirements

a. The bodywork is unrestricted in regard of material or number of sections.

(b). The bodywork must cover the whole length of the engine and not project beyond the rearmost point of the rear wing.

(c). Front aerofoils are permitted within body dimensions shown in tables of single seater dimensions.

(d). For all dimensions see table, page 151.

5. Engines

(a). The AIR COOLED engine must consist of standard VW parts and only components from engines of VW types 1 to 4 (excluding type 4 2000cc) are permitted.

i. The cylinder heads may be machined by removal of metal.

ii. Compression Ratio is unrestricted.

iii. Piston rings and rockerbox covers are unrestricted.

iv. Camshaft, Cam followers and push rods are unrestricted.

v. Roller camshafts and cam followers are prohibited.

vi. Two double choke or four single choke carburettors of maximum 40mm diameter at the throttle butterfly/slide are permitted. The make of carburettor is free.

vii. Fuel Injection is prohibited.

viii. Valve springs and spring caps are unrestricted in respect of design or number.

ix. Maximum permitted valve diameters:— Inlet 41mm, Exhaust 34mm.

x. Clutch unit method of operation type of linings and springs are unrestricted.

xi. The flywheel may be lightened and extra location dowels may be added.