

Draft Porsche Club Europe Regulations Issue 03/2004

As many Porsche clubs wish to hold race events, we have created a blueprint for technical regulations. These can be used as a basis and help for Porsche clubs to produce their own particular regulations. In all instances the draft must be adapted to meet requirements of prevailing local legislation and to the particular circumstances of the event. The draft has been carefully prepared however no liability is accepted for the accuracy and completeness of details or for any consequences arising from its use.

Introduction

Everything not expressly permitted by these regulations is prohibited. Permitted modifications may only be carried out, if these do not incorporate any prohibited modifications.

Parts damaged through wear or accident may only be replaced by identical parts, unless the parts to be replaced are approved by the regulations.

In the production road vehicle classes (1+2), only genuine Porsche vehicles with original vehicle identification number and road registration (which countries, i.e. only EU countries and Switzerland?) are entitled to participate. The vehicle identification number must correspond to the model, as which the vehicle should be classed. Only vehicles according to the official type list may be used.

In the classes 3, 4 and 5, only vehicles with original vehicle identification numbers, which are assigned to the model, as which the vehicle is known, are entitled to participate.

In class 6, only vehicles which have an original vehicle identification numbers are permitted. This number facilitates definition of the base vehicle to which the permitted modifications relate.

Vehicles which do not fulfil these criteria are not under any circumstances permitted.

The organiser retains the right to amend and/or to supplement the regulations at any time in order to maintain a consistent level of competitive opportunity and/or to prevent interpretations that do not respect the spirit of the regulations.

1 Class(es) for standard GT vehicles designed for road registration

Classification must be decided once the number of participants with road vehicles (production vehicles) can be estimated. Power/weight ratio and model year should then be used as a criteria.

Permitted models: 911 Carrera, 911 Speedster, 911 Clubsport, 911 Turbo(930), 911 Carrera2/4 (964), 911 Speedster (964), 911 Carrera /4,S,4S, 911 Targa (964), 911 Turbo (964), 924, 944, 944S, 944S2, 944 Turbo, 944 Turbo S, 968, 968 CS, 928 S – 928 GTS, Boxter, Boxter S

1.1 Engine

Only standard production engines are permitted (incl. kit engines officially available from Porsche). The performance according to type list plus a tolerance of 5% applies as the correct production performance.

1.1.1 Exhaust system

Only exhaust systems approved by Porsche for the respective model are permitted. The removal of catalytic converters is not permitted.

!Attention! For racing in Germany a catalytic converter is also stipulated for "old" vehicles!

1.1.2 Clutch

Drive plate and thrust plate exempt, standard actuation, flywheel with standard weight. Retrofitting of dual-mass flywheel to rigid flywheel is permitted, if approved by Porsche. Type, number and diameter of clutch plates must remain the same.

1.1.3 Ignition / mixture preparation

No changes are permitted.

1.1.4 Engine – miscellaneous

Disconnection of air conditioning compressor (if I-no.) permitted, disconnection of other pumps permitted except servo pump (steering).

Fitting an additional oil cooler within the body contour is permitted (size / volume in accordance with kits).

1.2 Transmission

Standard transmissions only with standard ratios (may vary on certain models depending on market). Modifications to gear wheels, bevel gears/bevel wheels or other transmission parts are not permitted. Conversion to steel synchro-rings permitted. Locking differential in acc. with I-no. may be retrofitted.

1.3 Running gear

Suspension lowering is permitted (if necc. specify per model). Ground clearance must not fall below 90 mm during the entire event.

Axle geometry is exempt within standard adjustment range. Spacers are permitted, provided they are standard for that particular model or were/are supplied as I-no. or are approved in conjunction with certain wheel/tyre combinations.

Maximum track widths apply for every model.

Sports suspensions in acc. with I-nos. permitted. Adjustable shock absorbers may only be used if they are component part of Porsche sports running gear (I-nos./exclusive).

Suspension cross-braces are permitted front and rear. Max. 2 securing holes per securing side are permitted.

1.4 Wheels

Make and model are exempt, double-hump rims must be used. Wheel rims must be of metallic material. Type-specific maximum dimensions apply.

1.5 Tyres

Type-specific maximum dimensions apply.

Pre-heating and any chemical treatment of tyres is forbidden.

Same-axle tyres must be identical.

Only tyres (make and type) specified by event holder may be used for that actual event.

Before starting every individual section of the event, all tyres must have the minimum legally required tread depth throughout. Re-cutting of tread is not permitted. No slicks!

1.6 Brakes

Only standard braking systems are permitted. Brake lining quality is exempt. Auxiliary cooling permitted, provided standard existing body openings are used. For example, fog lamps may be removed for this purpose. Removal of brake protection plates is not permitted, only the reshaping of the plate to improve cooling.

Brake fluid may be replaced with fluid in acc. with list.

1.7 Body

Non-standard body parts (form, material and weight) are only permitted, if they are genuine parts approved by Porsche for that particular model (kits). One outside mirror both left and right is stipulated. Only standard mirrors may be used. Lid holders in acc. with DMSB (or similar) are permitted.

1.8 Passenger compartment

Steering wheel is exempt, but must comply with national registration regulations. Driver and front passenger seat may be replaced with sports or racing seat. The seats must have either Porsche approval (serial no., I-no. and accessory seats) or FIA approval. If standard securing bracket is not used, seat must be secured in acc. with article 253.16 annex J (DMSB or similar). A 4-point belt or Y-belt is the minimum specification.

1.9 Tank / petrol system

Only tanks which are type-approved by Porsche for that particular model may be used.

Modifications are only permitted, provided they are in conjunction with the fuel system presented by Porsche, or to fulfil the conditions of national or international sports legislation.

1.10 Other general points

Lifting system and central wheel mounts are not permitted.

All registration-relevant modifications to the vehicle, which are part of the vehicle not just during the event, must be entered in the vehicle documents in acc. with the respective national regulations.

The type-approved kerb weight applies (DIN or EG 70 – 156) in acc. with type list.

1.11 Vehicle safety equipment

- A rollover protection device in acc. with article 253.8 annex J with approval of a national motor sport authority is stipulated.
- A hand-held fire extinguisher with at least 4 kg of approved extinguishing medium is stipulated. Distribution is restricted to max. 2 containers. A fire extinguishing system in acc. with FIA annex J article 253.7 or corresponding national regulation is permitted.
- A circuit breaker in acc. with FIA annex J article 253.13 or in acc. with similar national regulation is permitted.
- The vehicle must be equipped both front and rear with a sufficiently sized towing eye, which must be colour marked. The protrusion must be max. 6 cm.
- All vehicles must be equipped with a laminated-glass windshield.
- The lenses of all lighting units must be covered over with adhesive transparent film during the event.
- The standard wiper system must be fully functional at all times during the event.

2 Class for RS (964/993), GT3, Turbo (993/996) and GT2 road vehicles

Permitted models: 911 Carrera RS (964), 911 Carrera RS 3.8 (964), 911 Turbo S (964), 911 Turbo (993), 911 Turbo S (993), 911 GT2 (road version, 993), 911 GT3, 911 GT3 RS (model year 2004), 911 Turbo (996), 968 Turbo S

The technical regulations as in class 1 apply.

2.1 Tyres

Type-specific maximum dimensions apply.

Pre-heating and any chemical treatment of tyres is forbidden.

Same-axle tyres must be identical.

Only racing tyres approved by the organiser may be used for that actual event.

(Note: slicks can be approved, as RS vehicles have sufficient adjustment scope).

3 Class for 911 Cup (964)

Permitted models: 911 Cup(964) and 911 Carrera RS (964) with modifications as in 999 Cup.

Only vehicles complying with official technical regulations of the Porsche Carrera Cup 1994 are permitted.

Note:

Contrary to above mentioned technical regulations, a safety tank in acc. with FIA FT3 standard with 100 ltr max. capacity and a fire extinguisher system in acc. with FIA article 253.7 annex J or similar national regulations may also be installed.

The vehicles must be fitted with an exhaust system that fulfils the noise emission levels in acc. with DMSB nearfield measurement method (98 dB (A) +2 dB (A) +3% tolerance).

4 Class for 911 Cup 3.8 (993)

Only vehicles complying with official technical regulations of the Porsche Pirelli Supercup 1997 are permitted.

Note:

Contrary to above mentioned technical regulations, a safety tank in acc. with FIA FT3 standard with 100 ltr max. capacity and a fire extinguisher system in acc. with FIA article 253.7 annex J or similar national regulations may also be installed.

The vehicles must be fitted with an exhaust system that fulfils the noise emission levels in acc. with DMSB nearfield measurement method (98 dB (A) +2 dB (A) +3% tolerance).

5 Class for 911 GT3 Cup 3.8 (996)

Only vehicles complying with official technical regulations of the Porsche Pirelli Supercup 2000 and 2004 are permitted. Upgrading of vehicles of earlier year models up to a newer version (e.g. model year 1999 to 2001 version) is permitted.

Note:

Contrary to above mentioned technical regulations, a safety tank in acc. with FIA FT3 standard with 100 ltr max. capacity and a fire extinguisher system in acc. with FIA article 253.7 annex J or similar national regulations may also be installed.

The vehicles must be fitted with an exhaust system that fulfils the noise emission levels in acc. with DMSB nearfield measurement method (98 dB (A) +2 dB (A) +3% tolerance).

6 Open classes

All vehicles which have been modified beyond the permitted scope of the other classes as well as certain racing cars will be included in this class

Permitted racing cars:

Model series 964: 911 Cup, 911 Cup 3.8, 911 Carrera RSR 3.8

Model series 993: 911 Cup 3.8, 911 Cup 3.8 RSR, 911 GT2

Model series 996: 911 GT3 Cup, 911 GT3 R, 911 GT3 RS (model year 2000 - model year 2003 / racing car)

Other: 968 Turbo RS

General:

The definition of the base vehicle, and therefore the determination of whether modifications carried out lie within the regulations, takes place exclusively through the vehicle ident. no.

Configuration and cooling medium of the engine must be taken from the base vehicle. (e.g. 964 base vehicle only with air-cooled 6-cylinder boxer engine)

6.1 Engine

6.1.1 Air-cooled induction engines

A maximum limit of 3800 ccm applies. No air restrictors are stipulated.

Crankcase and cylinder heads must originate from the Porsche supply range and may only be processed through material removal.

The crankshaft must be a genuine Porsche crankshaft.

Mixture preparation, attached engine components and all moving engine parts are exempt. Replaceable bearings are exempt.

Oil pumps with max. 3 suction points are permitted.

6.1.2 Turbo engines

A maximum limit of 3600 ccm applies. Engines with a turbocharger must be fitted with an air restrictor of max. 42.5 mm diameter, engines with two turbochargers with 2 restrictors of max. 28.5 mm each.

The restrictors must comply with FIA article 258.5.4.2 – 258.5.4.7 annex J. The above restrictor diameters apply in place of annex 2 to article 258.5.4.2.

Other regulations as in item 6.1.1.

6.1.3 Water-cooled induction engines

A maximum limit of 3600 ccm applies. For 928 vehicles item 6.1.4 applies. The engines must be fitted with an air restrictor of max. 40 mm diameter and 3 mm length. For the induction system, FIA article 258.5.3.2 - 258.5.3.3 annex J applies.

Vehicles models 911 GT3 R/RS may only be used with engines M 96.77.

Other regulations as under item 6.1.1.

6.1.4 928 Engines

The engine must comply with the national GTN regulations. Modification of oil sump is permitted.

6.1.5 Exhaust system

The vehicles must have 3-way catalytic converters in acc. with article 15 of DMSB exhaust emission regulations. (Note: there are no comparative regulations in other countries)

The exhaust system(s) outlet(s) must point rearwards. It/they may not protrude from vehicle contour in the vertical plane.

The exhaust system must fulfil the noise emission levels in acc. with DMSB nearfield measurement method (98 dB (A) +2 dB (A) +3% tolerance).

6.2 Transmission

Only rear wheel drive is permitted.

Gear wheels and gear ratios in transmission and differential are exempt. Clutch is exempt. Sequential transmissions are forbidden.

6.3 Running gear

The suspension concept (e.g. McPherson) and the original pivot and anchorage points must be taken from the base vehicle.

All suspension parts must be made from a homogenous metallic material. Chrome-plating of suspension parts is not permitted.

Rubber mountings may be replaced by Uniball mountings.

Vehicles may be fitted with additional stabilisers. Only 1 stabiliser may be used per axle.

Material, quantity and size of springs is exempt. Porsche variable springs are permitted.

Maximum 3-way variable dampers are permitted. The number of shock absorbers may not be changed.

The capability of adjusting springs, shock absorbers and stabilisers from inside vehicle is not permitted.

The wheel anchorage must comply with FIA article 258.12.5 annex J.

A power steering system fitted to the base vehicle may be disabled. Mechanical auxiliary steering pumps may be replaced by electric pumps. Steering ratio, steering wheel and hub are exempt. All other steering components must be genuine Porsche parts or Porsche sports parts. All-wheel steering is not permitted.

6.4 Wheels and tyres

Pre-heating and any chemical treatment of tyres is forbidden.

Same-axle tyres must be identical.

Maximum width incl. tyre is 12 inches, max. diameter is 18 inches.

Only racing tyres approved by the organiser may be used for that actual event.

Original Porsche central locking systems are permitted.

6.5 Braking system

The braking system is exempt within the following parameters:

- max. brake disc diameter 380 mm
- on front axle, max. 6-piston brake callipers, on rear axle max. 4-piston brake callipers
- max. 2 brake pads per brake calliper
- brake discs must consist of metal material (exception: PCCB systems approved by Porsche for that particular model)
- it must be a dual-circuit brake system
- vehicles of the 996 model series may not be equipped with ABS

6.6 Body

No modifications are permitted, which exceed the contours of the basic vehicle, except the front spoiler. This may be modified in accordance with the original FIA homologation valid for the vehicle (Appendix J).

The wheel arches may be modified to provide access to the rear axle wheels. The modification may only serve this purpose, the material used must correspond with that of the base vehicle with regard to material and material strength. Only welding is to be used as a means of joining.

Openings for brake ventilation are exempt. The front spoiler below the front wheel centre is exempt.

The rear spoiler must not exceed the vehicle height.

Underbody panelling may be fitted between the middle of the front axle and the middle of the rear axle in accordance with the original FIA homologation valid for the vehicle (Appendix J).

Original underbody panelling in area of engine and transmission may be removed or modified through material removal.

Systems, which generate a negative pressure at vehicle bottom are not permitted, except the exterior body parts.

Glazing and vehicle ventilation must comply with the regulations of FIA article 258.3.4 annex J.

6.6.1 Special conditions for 911 GT3 R/RS

These vehicles may only be used either in acc. with original build standard model year 2000 or model year 2003.

6.6.2 Special conditions for 911 GT3 Cup

Vehicles of this model may only be modified with body components of the 911 GT3 R/RS. Front end and rear wings must be modified together if necessary.

6.7 Passenger compartment

A driver's seat must be fitted, which complies with FIA article 258.14.4 Appendix J. Removal of panelling and soundproofing material is permitted. Door panels may be replaced by such with a thickness of at least 0.5 mm if sheet metal or 2 mm if of other material.

A seat belt in acc. with FIA article 258.14.2 is stipulated (refer to FIA standards 8853-85 and 8853-98).

Contour and material of standard instrument panel may not be altered.
Other than as stated above, instrumentation is exempt.

6.8 Tank

Either the type-approved tank by Porsche for the base vehicle or the original fitted tank or a FT3 safety tank in acc. with FIA article 253.14 annex J or article 258.6 annex J is to be used. Maximum filled volume is 100 l (refer to FIA article 258.6.5.1 annex J).

6.9 Miscellaneous

6.9.1 Weights

Following weights are to be complied with throughout the entire event:

Vehicles with turbo engines:	1200 kg
911 Vehicles with air-cooled induction engines:	1040 kg
911 Vehicles with water-cooled induction engines:	1110 kg
Other vehicles with induction engines:	1100 kg

6.9.2 Accessories

Vehicles may be equipped with a pneumatic lifting system.

6.10 Vehicle safety equipment

- A rollover protection device in acc. with article 253.8 annex J or in acc. with similar regulation of a national motor sport authority is stipulated.
- A fire extinguishing system in accordance with FIA article 253.7 Appendix J or corresponding national regulations is permitted.
- A circuit breaker in acc. with FIA article 253.13 annex J or in acc. with similar national regulation is permitted.
- The vehicle must be equipped both front and rear with a sufficiently sized towing eye in accordance with FIA article 253.10 Appendix J, which must be colour marked. The protrusion must be max. 80 mm.
- The lenses of all lighting units must be covered over with adhesive transparent film during the event.
- A wiper system in acc. with FIA article 258.3.5.11 annex J is stipulated