

**24-Hour race Historic Endurance – November, 6-7-8<sup>th</sup> 2020**

## INFORMATION

We have decided to accept a large selection of different types of cars for the “2 Tours d’Horloge” in order to gather the maximum number of cars on track. The youngest cars accepted will be 30 years old in 2020, while they were 20 years old at the first the “2 Tours d’Horloge” with cars from 1970’s...

However, we want to keep a homogeneity on track. In order to equalize the performance between all cars and allow everyone a chance onto the scratch podium, we have established some restrictive rules for the most recent cars (tyres, particular rules for Porsche 964...).

Below you will find some useful information and rules about this event.

### LENGH

Testing: A minimum of 3 hours including night session

Qualifying sessions: minimum 1 hour

Race: 24 hours non-stop

### TRACK

The track used will be 1CV2: Long circuit 5,8km with chicane.

### TEAMS

Each team can be 2, 3 or 4 drivers.

Compulsory minimum driving time for every driver during the entire 24-hour race is 4 hours.

### LICENCES

Drivers must have a National or International valid race licence. In case of National race licences, drivers have to hold an authorization to participate to the race from their local ASN.

### FUEL / REFUELLING

- Fuel type: This is mandatory supplied on-site and will be Unleaded 98.
- No additive is authorised, except the leaded substitutes additives.

#### Fuel tank limits:

- For Sport-Prototypes: 80 litres maximum.
- For GT, Touring: 100 litres maximum.

#### Refuelling:

- Each competitor must open an account from the fuel supplier chosen by the operator.
- Refuelling must be carried out in the refuelling area with fuel pumps of the fuel supplier as from the start of the free practice sessions.
- Each refuelling must not exceed a maximum of 98 litres for GT and Touring cars, and a maximum of 78 litres for Sport Prototype, indicated on the fuel pump counter.
- A minimum of one mechanic, a maximum of two per car, shall carry out refuelling. In case of infringement, penalties will be inflicted (see Appendix 1).

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- These persons shall wear fireproof balaclavas and gloves in compliance with FIA standards and FIA 86 standard protective overalls, and protective goggles. Carrying and using mobile phones and radios is not allowed in the refuelling area.

### LIGHTS

- All cars must be equipped with working front and rear lights during the whole event.
- Additional headlights are NOT authorised. The series lights must have the original configuration.
- It's authorised to fit headlights on a car, only if the original model of the car has been homologated without headlight, and 2 headlights maximum only.
- If the original headlights have 4 headlamp inserts, only 2 headlamp inserts can be switched on at the same time.
- It's authorised to replace the original light bulbs by LED or Xenon light bulbs at the same place, but the dipped beams must be in in working order. Multi LED light bulbs are forbidden.
- Indicators, rear lights and reflectors are compulsory.
- Each car must be equipped with a red LED rain light at the rear.
- Identification lights of cars by their garage: this light must not flash, not be rotating, because it is strictly dedicated to the intervention vehicle.

### TYRES

#### Forbidden tyres:

Slick tyres

Re-cut slick tyres

Competition rain tyres (Derivatives of slick tyres)

#### Authorised tyres:

Historic Tread pattern tyres

Road tyres

Track days tyres

All Weather tyres (Only those manufactured and moulded by the tyres manufacturer)

**In any case, each team will have to indicate to the organizer the type of tyres used for validation.**

### TRANSPONDERS

Every car has to be fitted with a Tag Heuer by Chronolec transponder for the event. Renting is possible with the timekeeper. You can buy transponders on the ITS website, by clicking [this link](#).

Timekeeper: Florent Renault [frenault.chronometrage@orange.fr](mailto:frenault.chronometrage@orange.fr)

### SPECIFICITIES

- Conditions for air guns or electric guns to change wheels :
  - Central wheel hubs: guns authorized
  - More than 2 nuts per wheel: guns authorized
- Central wheel hubs are authorized only if originally fitted on the car.
- Air jacks are forbidden.
- The number and time of pits stop for refuelling, changing driver and wheels are not limited.
- During the race, all repairs are allowed, except changing the chassis or monocoque structure.
- If a car goes out of the track or has broken down on the circuit during the event, the cars can be towed up to the pits, under the control of the marshals, so it may go back to the race again after repairing and technical scrutineers have checked the car.

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- During working on the car in front of the pit garage, are authorized to work only:
  - 2 mechanics for the mechanical interventions and/or any other action on the car.
  - The team manager to stop and make the car start again, communicate with the driver and his mechanics, give fresh supplies to the driver and help him, collect the data acquisition and clean the windscreen, any other operation is forbidden.
  - The driver getting out of the car can help his codriver to fasten and settle into the car.In total 4 people can work on the car. All the other people have to stay inside the pitbox. The number of Mechanics working on the car when it is inside the pit garage is unlimited.
- A radio link is authorized to the cars, each competitor must inform V de V Sports with the frequency used.
- Starting procedure type « Le Mans » will be used.
- The numbers on each car have to be reflecting, in order to be read at night.
- HTP (Historic Technical Passport) is not compulsory. The technical passport made by an ASN is compulsory.
- Safety: All cars have to be in compliance with Appendix K and J of the International Sporting Code.

### CATERING

Yves Richer team “Le Restaurant Pit’Stop” will be there for this event.

The Restaurant Pit’Stop will be open from Thursday morning to Sunday afternoon. It will be open during the 24-hour race and will offer “Onion Soup” at midnight during the race!

**Pit’Stop self-Bufferet formule : 25€ VAT incl. /pers:** *Buffet : Starter, Main dish, Cheese, Dessert*

**Pit’Stop « 24h » formule : 70€ VAT incl. /pers:** *Eat at will, breakfast included, during the 24 hour race from Saturday 15h00 until Sunday 15h00.*

**Pit’Stop les 2 Tours d’Horloge formule : 170€ VAT incl. /pers. :** *You can eat from Thursday at 12.00 until the Sunday at 16h00. A total of 7 meals with a free drink included in each meal (a soft, a beer or a glass of wine).*

### PASS

Each car entered will received 15 passes, given during the signing on.

### PIT GARAGES

The rental price of pit garages will be 2000 € (VAT included) for the week-end to divide by the number of cars in the garage.

The pit allocation will be done by V de V Sports.

### VIP ROOMS

The VIP rooms situated above the pit garages are available to rent. Contact us for price and conditions.

### PRIZE GIVING/PODIUM

The prize giving ceremony will be held at the end of the race on the podium. Trophies will be given to the 3 first in each category with a minimum of 4 cars entered.

The categories will be made according to the type, period and cubic capacity of the cars.

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### TECHNICAL RULES - PORSCHE 964

Look	<b>AUTHORIZED</b> 964 Cup, RS	<b>FORBIDDEN</b> 964 RSR Except organizer agreement
Aerodynamic	<b>AUTHORIZED</b> Original rear lid type C2, RS or Cup must be conserved	<b>FORBIDDEN</b> Aerodynamic appendix as front wing or rear wing lid
Rims	<b>AUTHORIZED</b> 17'' or 18'' rims 5 nuts per wheel Free width	<b>FORBIDDEN</b> Central wheel hubs
Lifting Jack		<b>FORBIDDEN</b>
Braking	<b>AUTHORIZED</b> Only brakes of 964 C2, RS or Cup are authorised	<b>FORBIDDEN</b> Brakes of 964 RSR or Turbo
Gearbox	<b>AUTHORIZED</b> Gearbox 5 gear must be conserved	<b>FORBIDDEN</b> Gearbox 6 gear
Final drive	<b>AUTHORIZED</b> Free	
Air-flow Sensor	<b>AUTHORIZED</b> Air-flow sensor reference: 964 606 050 00 des 964 C2, RS or Cup must be conserved	<b>FORBIDDEN</b> Replacement of the original Air-flow sensor by another air measure
Intake manifold	<b>AUTHORIZED</b> Original intake manifold of 964 C2, RS or Cup must be conserved, in aluminium or plastic	<b>FORBIDDEN</b> Replacement of the original intake manifold
Exhaust	<b>AUTHORIZED</b> Free	
Coil and Damper unit	<b>AUTHORIZED</b> Free	

#### General technical characteristics authorised for Porsche 964:

- Minimum Weight : 1 120 kg
- Cubic capacity : 3 600 cc
- Fuel tank : 100 l maxi
- Roll cage : 6 points in compliance with appendix K or manufacturer roll cage with homologation form
- HTP : Not Compulsory
- Technical passport ASN : Compulsory
- Compliance : With homologation form B 295 of 1990 or with PORSCHE CARRERA CUP regulation of 1990
- Years : All Porsche 964 C2, RS, Cup or N GT are accepted, regardless of their year of production, provided you respect of the 1990 model specifications and rules listed above

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### TECHNICAL RULES - SPORT 2000

**Regulation:** Sport 2000 up to 1986 - Appendix K FIA (except organizer agreement)  
Regulation 1984 + HSCC SP2000 (Thundersports)

<b>Aerodynamic</b>	<b>AUTHORIZED</b> Original front and rear bodywork and bodypanels must be used. Only locations for lighting can be cut out. Front spoiler blade authorized if it existed in period.	<b>FORBIDDEN</b> Aerodynamic appendix as rear wing. Deflectors or aerodynamic surround of lighting locations.
<b>Engine</b>	<b>AUTHORIZED</b> Ford Pinto 2L NE Series 2000 SOHC Maximum production tolerance rate : 2025cc	<b>FORBIDDEN</b> See HSCC UK regulation art 5.7.1
<b>Camshaft</b>	<b>AUTHORIZED</b> (See art 5.7.1 UK regulation) The only permitted camshafts are the ones from standard Ford Production with part number 1584660 provided from URS, SC2000 or SRCC2000 Kit	<b>FORBIDDEN</b> No reground, modification or reprofiled
<b>Induction system</b>	<b>AUTHORIZED</b> Only one Weber carburettor type: 32/36 DGV or DGAV Maximum diam. Of Main Venturi: 26.0/27.0mm. Jets Free. The ignition trigger within the distributor is free and external ignition amplifiers are permitted as long as they have no impact on the ignition timing which must be 100% controlled mechanically via the distributor	<b>FORBIDDEN</b> Programmable ignition
<b>Rims</b>	<b>AUTHORIZED</b> 13" Wheels only. Central Wheel hubs	<b>FORBIDDEN</b> Any other dimensions than 13"
<b>Lifting Jack</b>		<b>FORBIDDEN</b>
<b>Braking</b>	<b>AUTHORIZED</b> Only originals brake calipers and discs. Pads free	<b>FORBIDDEN</b> Vented discs, or drilled or perforated discs. Light alloy brake calipers. 4 pistons max at the front and 2 max at the rear.
<b>Gearbox</b>	<b>AUTHORIZED</b> Hewland MK8/9. 4 gears only. Reverse gear mandatory. Cooler	<b>FORBIDDEN</b> 5 gears. All types of differential and limited lips.
<b>Fuel supply pump</b>	<b>AUTHORIZED</b> Electric. 2 maximum.	
<b>Exhaust</b>	<b>AUTHORIZED</b> Originals exhaust systems with silencer	
<b>Coil and Damper unit</b>	<b>AUTHORIZED</b> Originals Dampers, 2 ways maximum of set up.	<b>FORBIDDEN</b> Remote reservoir and / or light alloy dampers
<b>Alternator</b>	<b>AUTHORIZED</b>	<b>FORBIDDEN</b> All communication with the ignition module

#### General technical characteristics authorised for SP2000:

No part of the bodywork, or of the suspended part of the car, can be below a horizontal plane passing 4cm above the ground (unless stated otherwise in SRs), the car being in normal racing trim with the occupants aboard. A gauge may be used by Scrutineers before or after races or practice to check the ground clearance.

- Minimum Weight : 506 kg
- Cubic capacity : 2000 cc
- Fuel tank : 80 l maxi
- Roll cage : 6 points in compliance with appendix K
- HTP : Not Compulsory but recommended
- Technical passport ASN : Compulsory

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