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Article 1 **OVERVIEW**

- 1.1 The vehicles participating in the COPA SEAT León will be the SEAT León Racing model (limited series, unregistered) manufactured by SEAT Sport S.A. for the exclusive use in the COPA SEAT León.
- 1.2 All the vehicles shall comply with these technical Regulations, the Technical Specifications for 2010, the User's Manual and the appendices published by the Organice Committee.
- 1.3 All vehicles shall be delivered in their original factory version. The addition, replacement, modification or elimination of any part or element that is not expressly allowed in these regulations, the published appendices, in the Technical Specifications or in the User's Manual 2010 for the COPA SEAT León 2010 is forbidden. All parts requiring replacement shall be replaced exclusively with original spare parts supplied by SEAT Sport, S.A. and described in the parts catalogue for the COPA SEAT León 2010. The entrant is responsible for conformance of the parts mounted in his vehicle and it is his obligation to ensure technical conformity of these parts before putting them to use.
- 1.4 In case of doubts regarding the operation or performance of a part, SEAT Sport S.A. and the Scrutineers may allow replacement of any part they deem appropriate.

Article 2 **EQUIPMENT**

- 2.1 All the vehicles must participate in the Copa SEAT León 2010 with the following serial equipment:
 - Roll bar.
 - 6-point safety harness.
 - Automatic fire extinguishing system.
 - Current breaker.
 - Safety locks (on the front bonnet and rear door).
 - Homologated seat.
 - Pneumatic lifters.
 - Aerodynamic configuration for the Copa SEAT León 2010 competition.

Article 3 **ENGINE**

- 3.1 The engine shall be supplied with the original seal and numbered (detailed in the Technical Specifications of the Copa SEAT León 2010). The seal number must appear in the tracking record of the vehicle and must remain intact from the time of reception to the time it is delivered to SEAT Sport, S.A. for repair or revision. The competitor is responsible for

- correct annotation of the seal numbers in the technical passport . (*Article 11 of the P.C.C.C.T.E*).
- 3.2 Manipulation and/or modification whatsoever is not allowed. All revisions, handling or modifications of the engine may only be performed by SEAT Sport, S.A.
- 3.3 If any type of handling or absence of one or more seals is found, the following steps shall be taken:
- 3.3.1 In the preliminary technical scrutineering:
Motor replacement shall be mandatory to be able to participate in the official practice sessions; in this case the engine shall be subjected to revision and control and returned to the participant, who shall cover the cost of revision and transport.
- 3.3.2 During the classification and race events:
The Scrutineers shall deem that the vehicle is not technically approved.
- 3.5 In the event of breakdown or revision, the engine shall be sent to SEAT Sport, S.A., that will repair the motor and seal it again and repair and transport costs shall be covered by the participant.

Article 4 ELECTRICITY AND ELECTRONICS

- 4.1 The electronics control unit shall be specific for this Cup and shall be the following:
- Make:** VW – AUDI / BOSCH
Model: MOTRONIC
Reference: 8P0 907 115 E
- 4.2 It will be mandatory to use the following type of data-logger:
- Make:** AIM
Model: MXL
- 4.3 Handling and/or modifying the electronic control unit and data-logger is prohibited. It is mandatory for them to be always connected. The engine control unit is sealed with a numbered seal, in compliance with the Technical Specifications for the Copa SEAT León 2010. The number of the seal must appear in the technical passport. The competitor is responsible for correct annotation of the seal numbers in the vehicle technical passport.

- 4.4 It is not allowed to make any modification or any connection to the original cables of the control unit or data-logger or to any electrical element of the vehicle.
- 4.5 It is not allowed to manipulate, modification, eliminate or disconnect any sensor that forms a part of the factory-installed engine management system.
- 4.6 The only additional sensors allowed are those connected and read via the 4 analogue channels of the auxiliary connector of the original bundle detailed in the User's Manual for the Copa SEAT León 2010.
- 4.7 The Scrutineers of the RFEdeA, with technical assistance from SEAT Sport, S.A., hereby reserve the right to replace or exchange electronic control units, electrical cables and sensors, as well as the data-logger, at random during the course of the entire season, with ones that have identical specifications and features.
- 4.8 During all the meeting, information can be downloaded from the electronic units and the data-logger by SEAT Sport S.A. staff in presence or not of the Scrutineers, in order to check the data recorded. During scrutineering, this operation must be carried out after authorisation by the Stewards and in presence of the Scrutineers of the Real Federación Española de Automovilismo.
- 4.9 If any type of handling or absence of the seal, electronics unit and/or data-logger is found, the following steps shall be taken:
- 4.9.1 In the preliminary technical scrutineering:
Replacement of the electronics control box and/or data logger shall be mandatory to be able to participate in the qualifying; in this case the electronic control box and/or data-logger shall be subjected to revision and control and returned to the participant, who shall cover the cost of revision and transport.
- 4.9.2 During the classification and race events:
The Scrutineers shall deem that the vehicle is not technically approved.
- 4.10 In case of breakdown or revision, the electronic control unit and/or data logger shall be sent to SEAT Sport, S.A., that will repair it and seal it again and repair and transport costs shall be covered by the participant.

Article 5 **AIR INTAKE**

- 5.1 The turbo-wastegate unit shall be supplied with a numbered factory seal detailed in the Technical Specifications of the Copa SEAT León 2010 competition. The seal number must appear in the technical passport. The unit must be preserved intact from reception and until it is delivered to SEAT Sport, S.A. for repair or revision. The competitor is responsible for correct annotation of the seal numbers in the technical passport.
- 5.2 Manipulation and/or modification whatsoever is not allowed. All revisions, manipulation or modifications of the turbo-wastegate may only be performed by SEAT Sport, S.A.
- 5.3 If any type of handling or absence of one or more seals is found, the following steps shall be taken:
- 5.3.1 In the preliminary technical scrutineering:
Replacement of the turbo-wastegate unit shall be mandatory to be able to participate in the qualifying; in this case the turbo-wastegate shall be subjected to revision and control and returned to the participant, who shall cover the cost of revision and transport.
- 5.3.2 During the qualifying and race events:
The Scrutineers shall deem that the vehicle is not technically approved.
- 5.4 In case of breakdown or revision, the turbo-wastegate shall be sent to SEAT Sport, S.A., that will repair and seal it again and repair and transport costs shall be covered by the participant.
- 5.5 Manipulation, disconnection or blocking of any of the intake ducts or operation of the turbo-wastegate unit is forbidden.
- 5.6 Air filter:
The only valid air filter for the Copa SEAT León shall be the filter supplied by SEAT Sport, S.A., described in the Technical Specifications of the Copa SEAT León 2010 competition.
- 5.7 Placing of ice or cooling elements in the motor intake ducts or in front of the intercooler is forbidden.

Article 6 **IGNITION**

All the components of the ignition system must be original parts supplied by SEAT Sport, S.A., described in the Technical Specifications and the User's Manual for the Copa SEAT León 2010.

Article 7 COOLING SYSTEM

- 7.1 Air passage through the radiator can only be blocked by additional materials that are glued to the fender grid and easy to dismount. The only antigravel net authorised for mounting on the fender is the one supplied by SEAT Sport, S.A.
- 7.2 Standard equipment for the vehicle includes a thermostat. Disassembly of the thermostat is allowed, as long as all the tubes are maintained and their assembly diagram is followed as described in the User's Manual 2010.

Article 8 EXHAUST

The system installed on the vehicle at the factory must be maintained. No modifications and/or manipulation of the exhaust is allowed unless expressly authorised in the User's Manual for the Copa SEAT León 2010 competition.

Article 9 TRANSMISSION

- 9.1 The transmission shall be supplied with a numbered factory seal described in the Technical Specifications of the Copa SEAT León 2010 competition. The seal number must appear in the technical passport. The transmission must be preserved intact from reception and until it is delivered to SEAT Sport, S.A. for repair or revision. The competitor is responsible for correct annotation of the seal numbers in the vehicle tracking record.
- 9.2 Manipulation and/or modification whatsoever is not allowed. All revisions, manipulation or modifications of the transmission may only be performed by SEAT Sport S.A.
- 9.3 If any type of handling or absence of one or more seals is found, the following steps shall be taken:
- 9.3.1 In the preliminary technical scrutineering:
Replacement of the transmission shall be mandatory to be able to participate in the official practice sessions; in this case the transmission shall be subjected to revision and control and returned to the participant, who shall cover the cost of revision and transport.
- 9.3.2 During the qualifying and race events:
The Scrutineers shall deem that the vehicle is not technically approved.

- 9.4 In case of breakdown or revision, the transmission shall be sent to SEAT Sport, S.A., that will repair it and seal it again and repair and transport costs shall be covered by the participant.

Article 10 SUSPENSIONS

- 10.1 All the components must be original and supplied by SEAT Sport, S.A. No modifications are allowed, unless provided for in Technical Specifications and the User's Manual of SEAT León 2010.

10.2 Body heights:

The front and rear body heights are adjustable, under the condition that these are carried out using the adjustment means indicated in the Technical Specifications and User's Manual for the Copa SEAT León 2010 competition. The minimum height is sixty (60) millimeters, with the driver seated in the cockpit. Height verification shall take place in the location assigned by the Scrutineers at each event, with tools that will be at the disposal of all the participants for the duration of the meeting.

- 10.3 The settings for camber and setback can be adjusted under the condition that this is performed with the setting options provided by the original parts.

10.4 Shock absorbers:

Modifications or additions to the parts supplied by SEAT Sport, S.A. are not allowed. The only adjustments allowed are those carried out using the means indicated in the User's Manual for the Copa SEAT León 2010 competition.

10.5 Springs:

The only springs that can be used are those indicated in the Technical Specifications of the SEAT León Supercopa 2010 and the User's Manual 2010.

10.6 Antirollbar:

Antirollbar bar hardness can be adjusted through the holes provided for that purpose in the original bars. A possible adjustment can be carried out by disconnecting one of the ends of the bar, in which case it will be mandatory to remove the connecting rod from the vehicle.

- 10.7 All parts that are eventually deformed due to impacts or accidents must be replaced.

10.8 Track width:

Only the rear axle track width can be increased or decreased, using a distance of 10 mm on each side as described in the Technical

Specifications and the User's Manual for the Copa SEAT León 2010 competition.

Article 11 BRAKES

11.1 Modifications that are not provided for in the Technical Specifications and the User's Manual 2010 are not allowed.

The brake pads that are authorised are described in the Parts Catalogue for the Copa SEAT León 2010.

Article 12 BODY AND CHASSIS

All modifications to the chassis or body are forbidden, except those expressly authorised in the Technical Specifications or in the User's Manual for the Copa SEAT León 2010.

Eventual repairs shall consist in straightening or replacing deformed components; however, reinforcement by addition of material is prohibited.

Article 13 WHEELS

The only authorised wheels will be those supplied by SEAT Sport, S.A. for the Copa SEAT León 2010.

Make: BRAID
Model: SEAT Sport
Size: 9.5" x 18 J.

Article 14 AERODYNAMICS

14.1 Modifying, adding or replacing parts that can affect the aerodynamic performance of the vehicles is forbidden. All the aerodynamic parts must be attached exactly as supplied. Any aerodynamic part that is damaged or deformed must be replaced.

The Scrutineers are allowed to verify the stiffness of the fastening elements and their components at any time.

14.2 Rear wing:

The positions of the rear wing can only be adjusted at the points indicated in the Technical Specifications and the User's Manual for SEAT León 2010.

Article 15 FUEL

For the entire duration of the timed practice sessions and the events, the exclusive use of the fuel supplied by the Spanish Automobile Sports Federation at the corresponding circuits for that purpose shall be mandatory.

The vehicle shall have a minimum of 4 litres of fuel available at all times. (Article 25 of The Sporting Regulations of the Racing Championships, Cups, Trophies and Challenges of Spain)

15.1 The use of the fuel supply system supplied by SEAT Sport, described in the User's Manual of SEAT León Supercopa 2010 is mandatory.

All assemblies that do not match the diagrams included in the assembly manual will not be accepted and changes to assemblies may be required at any time during a meeting.

Low gasoline pressure must never be over 7 bar, measured in the original system acquired with the vehicle.

Article 16 WEIGHT

16.1 At no time during the event (timed practice sessions and/or races) can the vehicle weigh less than one thousand, one hundred and thirty-three kg. (1,133 kg). This weight is understood as including all its mandatory equipment and with the various fluid levels when it ends the practice sessions and/or races.

16.1.1 The established tolerance for the vehicle weight is $\pm 0.2\%$ of vehicle weight.

16.2 If ballast is used, this should be attached so that tools are necessary to remove it. It should be easy to seal, if the Stewards deem it necessary.

16.3 All ballast carried by a vehicle must be declared during scrutineering. No ballast that has not been declared shall be taken into account in the weighing procedures performed during the event.

Article 17 DATA ACQUISITION AND RADIOS

17.1 Is forbidden to use telemetry systems or any other computer-based system that allows the transmission or storage of data from a moving vehicle to the pits and vice versa, during all official timed practice sessions and the race, except for those systems installed by the Stewards and time keepers of the event in order to control the development of the event. Data acquisition is allowed through the auxiliary channels available in the data acquisition system of the SEAT León described in the User's Manual of the SEAT León Supercopa 2010.

17.2 The only timing device authorised in the vehicle is that provided by SEAT Sport, S.A., described in the Technical Specifications and the User's Manual of the SEAT León 2010.

17.3 Intercommunication between the driver of the vehicle while moving and the team staff is allowed using a radio system that only transmits human voice signals.

17.4 Automatic timing will be mandatory, and it will be performed using the following transponder system:

Make: AMB

Reference: AMB-TRX-260

Features: Stand-alone and battery-powered.

17.3.1 The vehicles shall have the SEAT Sport, S.A. factory-installed system throughout the entire event.

17.3.2 Preservation of the timing devices installed in the vehicles is the responsibility of the participants. The loss of or damage to these devices shall involve replacement, that shall be paid for by the participant.

Article 18 UNRESTRICTED EQUIPMENT:

The following equipment shall be optional:

18.1 The make and type of motor cooling fluid.

18.2 The make and type of brake fluid.

18.3 The make and type of servo-steering oil.

18.4 The make and type of spark plugs.