

SCALEAUTOGT1/24

2015

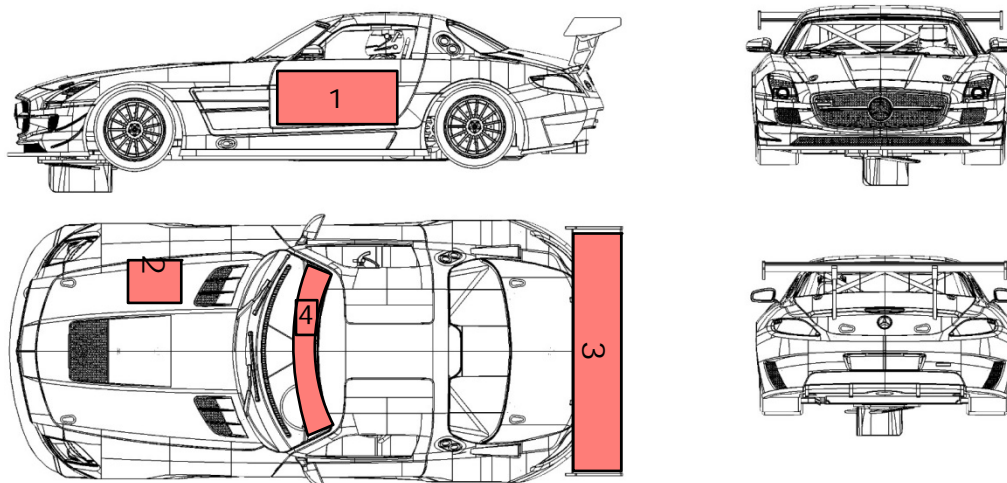
Technical Regulation:

1-.ALLOWED MODELS:

- 1.1-. Scaleauto Porsche 911 RSR (997 version). See Technical Article A-1 (rev.3-2-2013)
- 1.2-. Scaleauto BMW M3 GTR. See Technical Article A-2 (rev.6-12-2013)
- 1.3-. Scaleauto Jaguar XKR RSR. See Technical Article A-3 (rev.6-12-2013)
- 1.4-. Scaleauto Mercedes SLS AMG GT3. See Technical Article A-4 (rev.6-12-2013)
- 1.5-. Scaleauto AudiR8 LMS GT3. See Technical Article A-5.2 (rev.26-4-2014).
- 1.6-. [Scaleauto BMW Z4 GT3](#). See Technical Article [A-6 \(rev.10-1-2015\)](#).
- 1.6-. [Scaleauto SRT VIPER GTS-R](#). See Technical Article [A-7 \(rev.10-1-2015\)](#).

2-.BODY:

- 2.1-. **Material:** Original, without any modification to its components.
- 2.2-. **Dimensions and mandatory parts:** All original body parts identified in each of the models technical articles must be present without modification to its original position. The side mirrors can be replaced with appropriate 1/24 scale plastic or rubber alternatives.
- 2.3-. **Modifications allowed:** Lightening/removing material from the body or the deformation of the body or its original components is explicitly prohibited; exception applies to mandatory or optional modifications indicated in the technical articles of each model. Transparent glue may be used to strengthen exterior body parts. Black neoprene foam may be used to reinforce internal body parts; those should be attached with transparent glue only.
- 2.4-. **Wheel Arches / Wheelbase:** The wheels should be centered in the body's wheel arches and must maintain the dimensions specified in each of the models technical articles at all times. Maximum variation in the original wheelbase indicated in each of the models technical articles is: +/- 1mm.
- 2.5-. **Decoration:** The base color can be any opaque color. It is mandatory to include racing number in 3 locations (left side, right side and hood). In official Scaleauto races, it is mandatory to use sponsors decals in the areas described below.



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- 2.6-. **Cockpit and Drivers:** Cockpits (interiors) must be the model indicated on each of the models technical articles.
- 2.7-. **Driver:** Should be painted above the waist line; helmet, arms and steering wheel also need to be painted. A side view of the helmet must be completely visible from the outside at all times.
- 2.8-. **Ballast:** If necessary. Body ballasts can only be added to the reinforcement body brackets that connect the body to the chassis.
- 2.10-. **Rear Spoiler:** If you opt for the installation of carbon fiber rear spoilers, installing the supplied rubber supports is mandatory. If the original plastic spoilers are being used, the original plastic supports are mandatory. In either case, the neoprene foam reinforcement described in each of the models technical articles is allowed.

3-. CHASSIS:

- 3.1-. **Type and material:** SC-8000 (Factory version R2-2012 or R4-2014) without any change to any of its original components except as stated in this regulation. The mark "Scaleauto" must be completely visible on its surface. Chassis customized with additional parts are not allowed. Reinforcement of any chassis part is prohibited.
- 3.2-. **Motor Mounts:** Original or ref. SC-8114, SC-8114b, SC-8115, SC-8115b, SC-8116 without modification. The SC-8136a motor mount can only be used with the R4 central chassis plate ref. Sc-8138.
- 3.3-. **Magnets:** Prohibited.
- 3.4-. **Ballasts:** Are allowed above the main chassis, not visible from the bottom. Ballasts are also allowed above the H plate.
- 3.5-. **Fasteners:** Open choice.
- 3.6-. **Guide holders:** Original to the chassis without modification, SC -8104 and SC-8104c. Any material can be used to adjust the height of the guide holders to the sub-frame (SC-8103) or to adjust the height of sub-frame to chassis. Only one guide nut is allowed.
- 3.7-. **Axle Supports:**
Front: Factory stock supplied with SC-8000 chassis or any original Scaleauto, ref. SC-8108a/b/c/d/e or Sc-8147a/b/c without modification.
Rear: Factory stock supplied with Sc-8000 chassis or any original Scaleauto, ref. SC-8108a/b/c/d/e or Sc-8147a/b/c or adjustable SC-8121, without modification.
Any material can be used to adjust the height of axle supports.
- 3.8-. **Body Mounts:** Original depending on the model chosen, without modification. Only 1 unit per side fixed to the bodywork solely by screws.
- 3.9-. **H Plate:** Any non-modified version of the following references: SC 8101 (steel), SC-8101AL (Aluminum), SC-8101C (Carbon) or Sc-8102c (Pro-Carbon). T-nuts from the following series are allowed: SC-8126, SC-8113, SC-8145. The H plate movement restrictors, SC-8146, are also allowed.

4-. TRANSMISSION:

- 4.1-. **Type:** 4x2.
- 4.2-. **Pinion:** Free within the Scaleauto catalog without modification.
- 4.3-. **Spur Gear:** Free within the Scaleauto catalog; any Procomp RS-2 / RS-3 model without modification.

5-. AXLES AND BEARINGS:

- 5.1-. **Axles:** Solid steel axles only. Hollow axles are not permitted.
- 5.2-. **Bearings -Ball-Bearings:** Free within the Scaleauto catalog without modification.
- 5.3-. **Spacers and Stoppers:** Free in quantity within the Scaleauto catalog without modification.

6-. WHEELS:

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- 6.1-. All 4 wheels should be in contact with the track surface in a static position.
- 6.2-. Must be composed of rim and tire.
- 6.3-. The front wheel can be the original (SC-4042 rim with SC-4716 tire manufactured in black rubber) or complete wheel ref. SC-2702p or SC-2710p without the possibility of altering the original compound to increase or decrease its grip. The tire should completely cover the wheel hub. Tires can be trued but may not be made conical. The contact surface to track must be a minimum of 8mm. at all times with a minimum diameter of 25.0mm.
- 6.4-. The rear wheels may be any of the following references: SC-2121p, SC-2621p, SC-2421p and SC-2521p without modification. Tires can be trued but may not be made conical. Treatment with additives is not allowed. In official Scaleauto races, complete Sc-2421p wheels (trued to 27.3mm.) will be provided.
- 6.5-. Complete wheels mounted on the axle must be completely visible in a vertical view. The wheels must be fixed to the shaft and rotate together and jointly with it. All wheels must be identifiable with the original "Scaleauto" logo inscribed on its side.
- 6.6-. Wheel inserts are mandatory on all 4 wheels throughout the race. Should be manufactured by Scaleauto and unchanged in thickness.

7-.GUIDE,WIRES and BRAID:

- 7.1-. **Wires:** Free choice. The use of guide clips is allowed. Wires may not be visible from above when the car is at rest on the track.
- 7.2-. **Guide:** Single, ref. SC-1601, SC-1622, SC-1624 or SC-1626. Guide may not protrude the bumper or front spoiler when viewed from above.
- 7.3-. **Braid:** Open choice.
- 7.4-. **Lights:** Mandatory on a 24h event. The only light kit approved is ref. DS-0125; 1 or 2 kits with 1 or 2 batteries each are allowed; the original wiring and LEDs may be replaced but LEDs should be white or yellow on the front and red or orange in the rear. The switch position is free, remembering that the bodywork cannot be modified. Transparent glue should be used to attach all light kit components.

8-.MOTOR:

- 8.1-. **Type:** Sc-0026 Endurance. With up to 22,000 rpm at 12 V is admitted. Delivered by the organization in official Scaleauto events.
- 8.2-. **Characteristics:** It will be unique, strict series, without modification - all components originally included with each motor must be respected. It must be sealed and any mark showing a tempering attempt will result in disqualification. You cannot add or manipulate any electrical, mechanical or electronic element to alter the motor performance. The organization will consider whether the motor performance, with or without load, is within the preset tolerance values supplied by the original manufacturer of the motor. Using magnetic field enhancers is prohibited.

9-.WEIGHTS AND MEASURES:

- 9.1-. Ground clearance to track: 1.0mm throughout the race. For endurance races, a minimum of 1.2mm clearance is required (excluding crown) before the start of the, measured on a flat base, at the rear axle, without the support of the guide.
- 9.2-. Minimum height of body, on a horizontal static position, in relation to the chassis base: see data sheet for each car.
- 9.3-. Minimum weight of the complete car: 205 gr.
- 9.4-. Maximum weight of complete car: 215 gr.
- 9.5-. Minimum weight of the entire body: 55gr. (60 gr. in 24h races with lighting kit installed). Metal supports, its fixing screws to the chassis and plastic interior supports are part of the body.
- 9.6-. Maximum weight of the entire body: 60g. (65 gr. in 24h races with lights kit installed).

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- 9.7-. Maximum front track width: 80mm. (measured from outside of a tire to the other). Wheels/tires must not protrude outside of the body when viewed from above, no exceptions – this includes axle float (assuming the front width of the body chosen is inferior than 80mm.)
- 9.8-. Minimum front track width: 76mm. (measured from outside of a tire to the other).
- 9.9-. Maximum rear track width: 80mm. (measured from outside of a tire to the other).

10-.GENERAL:

- 10.1-. Under the supervision of the organization all aspects not covered in this technical regulation are prohibited.
- 10.2-. Enrollment in the race means full acceptance of this regulation.