

Introduction

This technical rules specify in detail all characteristics that all cars must apply to be race approved. Any additional modifications not specified are forbidden.

In some models, there is some specific details only for those models, and they are completely detailed. Use of a free component cannot be as exchange, replacement or omission if not specified in this technical rules.

The only reference for all part codes detailed in this technical rules is available at the following web-site:

<http://www.scaleauto-slot.com>

While race technical inspection on race, the only liquids allowed are the ones provided by race organization, which are the complete range from Scaleauto liquids.

Motor and tyre hand out supplies

Race organization will provide on each race event and sorted one motor already tested and verified with a 12th pinion diamet. 6.5mm ref: **SC-1095e** and 2 sets of tyres (**SC-4756as25**).

Race organization had precheck and preselected the motors checking the rpm and consumption from them all to choose only the most close ones in performance between all.

Motor and tyres will be assembled by teams on the “parc ferme”.

Even the organization provides the soldering irons, the correct functionality from them all and its correct working is not his responsibility, each team can bring its own one to the race.



Motor Supplied

Ref.: **SC-0011b Tech-1*** with 20000 rpm

* Standard Motor in all R series cars Scaleauto GT 1/32 cars

1. Models

BMW Z4



Porsche 991 RSR



1.1 All models must be type "R" with Anglewinder motor mount.

SRT Viper GTS-R



Corvette C7R



Porsche 911 (991.2)



Spyker C8



NSX GT3



Mercedes-AMG GT3



Audi R8 LMS



2. Overall width

2.1 Tyres cannot exceed from the body width on a top view.

3. Chassis

3.1 Each model must be assembled with its own specific manufactured chassis. See table below for references.

3.2 It is allowed chassis with different stiffness and color indicated in the table below.

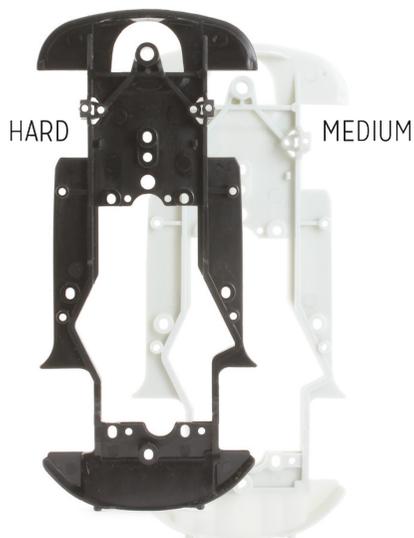
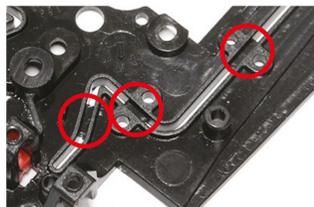
3.3 Chassis means the complete original pieces assembly included.

3.4 It is allowed to remove the perimetral plastic flashes. Not excessive

3.5 Chassis must be identified with team name written on.

3.6 Any adjustment screw can be used on its original position place. (front axle, body floating, suspension).

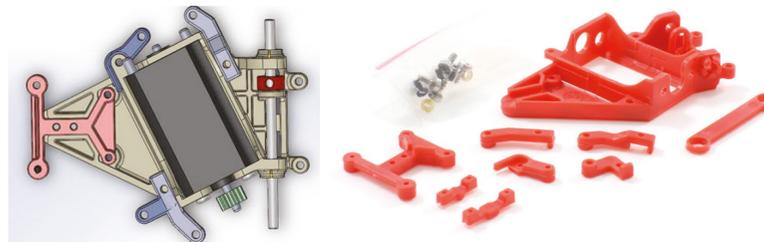
3.7 It is allowed to remove the nerve that joints inner and outer chassis section (see photo).



Car model	Hard	Medium
Corvette C7R	SC-6650a	SC-6650b
Porsche 991	SC-6640a	SC-6640b
SRT Viper	SC-6638a	SC-6638b
Spyker C8	SC-6635a	SC-6635b
BMW Z4	SC-6634a	SC-6634b
Audi R8 LMS	SC-6651a	SC-6651b
Mercedes-AMG	SC-6662a	SC-6662b
SRT Viper Inflex	SC-6664a	SC-6664b
Porsche 911.2	SC-6665a	SC-6665b

4. Motor Pod

4.1 The only motor pod allowed is anglewinder offset red color reference **SC-6528c** (offset -1.0)** and **SC-6535c** (Offset -0,75mm).



4.2 Motor pod can be assembled with 4 or 6 fixing points, using the original pieces supplied by the manufacturer.

4.3 Bushings must be original ones and cannot be glued.

** Indicated for the Scaleauto track..

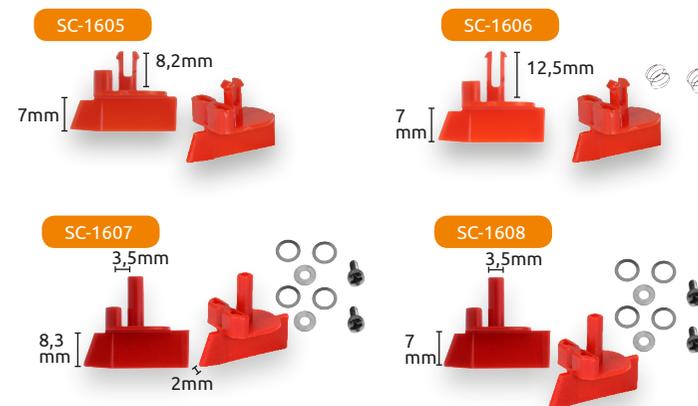
5. Guide

5.1 Allowed guides are: **SC-1605 - SC-1606 - SC-1607 - SC-1608**.

5.2 It is allowed to modify blade thickness and reduce height till 1mm less from the original size.

5.3 It is allowed to cut down the guide post.

5.4 It is allowed to add spacers on the guide post.

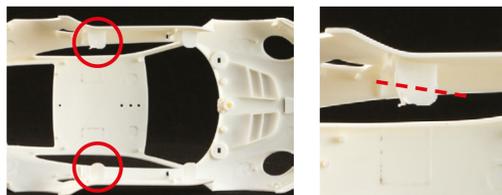


6. Body

6.1 Body cannot be modified except for what is strictly indicated in this technical rules.

6.1.1 Can be removed: Mirrors, Wipers, front and side secondary lights, hooks (from chassis as well) and antennas.

6.1.2 It is allowed to reduce the size from the side rear inner body floating stopper (see picture below), to allow a free space for motor pod and side suspension assembly.



Metal PhotoEdge, exhaust and spoilers see last page

6.2 Painting the original already decorated bodies is optional, while white body kits must be painted and it is not allowed only a clear coat on them.

6.3 It is forbidden to paint the front window and side front window areas.

6.4 Body post can be reinforced with plastic or metal tubes.

6.5 Body must be fixed to the chassis with all quantity of screws originally supplied.

6.6 It is allowed to use additional spacers up to 1mm as enlargement from the body post.

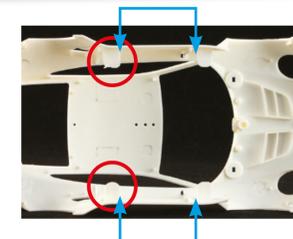
6.7 It is allowed to reinforce the fixing areas where the rear wing is fixed, using glue, resin, and/or scotch. Always when the shape of the body is clearly not altered. Reinforcement must also not change the shape from the rear wing top area. Rear wings can be done in Rubber, copy from the original. **It is homologated all rubber wings done as replacement under the references: SC-3630a**

6.8 Ballast can be freely positioned above the body side floating supports.

6.9 It is permissible to use all model specific spare parts supplied by the manufacturer.

6.10 Body minimum weight is 17gr.

6.10.1 Body ballast (**one piece**), if needed, must be placed above the body side floating supports.



7. Lightweight Cockpit

7.1 It is allowed the lightweight cockpits.

7.2 It is possible to use only the specific reference manufactured for each model (see table)

7.3 Must cover the original area from the original cockpit.

7.4 It is a must to paint the driver. (bust, arms, gloves, helmet).



Car model	Lexan
Corvette C7R	SC-6656
Porsche 991	SC-6630
SRT Viper	SC-6626 / SC-6664
Spyker C8	SC-6619
BMW Z4	SC-6618
Audi R8 LMS	SC-6657
Mercedes-AMG	SC-6663
Porsche 911.2	SC-6667
NSX	SC-6666

8. Motor

8.1 Homologated motor is ref. **SC-0011b Tech-1*** with 20000 rpm

8.2 Motor cannot be glued to chassis nor fixed with tape, only the screws can be used fixed to the original holes.

8.3 It is not allowed to do any action that may modify its original performance.

8.4 It is not allowed any kind of add on liquids.

8.5 Motor Sticker can be removed underside view.



Supplied in parc fermee with Ergal 6.5mm 12 tooth pinion

9. Tyres

- 9.1** Homologated rear Rear Tyres are **Scaleauto** ref. **SC-4758as25** (20x10,5mm).
- 9.2** It is not allowed to glue the rear tyres to the hub. **Also not allowed to thread them with any kind of liquid, except the ones from organization.**
- 9.3** Front tyres are free choice on brand, must be rubber material, can be glued to tyre, and can be turned. Must cover completely the front hub, and cannot be treated with any liquid.

REAR TYRES WILL BE SUPPLIED IN PARC FERMEE ON OFFICIAL RACES

10. Hubs*

10.1 Homologated hubs are: **SC-4048** (16,9x8,5) - **SC-4046**** (16,5x8,5) - **SC-4049** (16,2x8,5) - **SC-4054**** (16,5x10) - **SC-4074** (16,9x10) with all external shape designs **a - c - d - e - f - h - k - z.**



* Discontinued production, not always available all options in all designs

** Suitable for Scaleauto track

- 10.2** Front hubs can be manufactured in aluminum, plastic (solid, not drilled), or 3D printed. Rear hubs must be aluminum material.
- 10.3** Contact surface from hubs and rear tyre must be original without any kind of additive.
- 10.4** Solid hubs without dassing it is mandatory to use hubcover and are free of choice

Diámetro	Delanteras	Traseras
Máximo	16,9	16,9
Mínimo	16,2	16,2

11. Gear

11.1 Homologated gears are:

M2,5: SC-1165R - SC-1166R - SC-1167R - SC-1168R - SC-1169R - SC-1170



12. Motor Pinion

- 12.1** Pinion supplied is ref. **SC-1095E**
12tooth ergal Diameter 6.5mm
Already assembled on motor
- 12.2** It is allowed to adjust the position of the pinion gear.
- 12.3** It is not allowed to replace the pinion.



13. Axles

- 13.1 It is allowed to use any kind of axles 3/32 or 2.38mm
- 13.2 It is allowed to use any kind of rear axle stoppers and axle spacers.
- 13.3 It is allowed to use any kind of front axle spacers.

14. Suspensions system

- 14.1 It is allowed any kind of suspension from the marked, assembled only where the chassis originally established positions (rear, side and front on the motor pod).
- 14.2 It is allowed to assembly any combination on its components (springs- magnets- nuts).
- 14.3 Suspension springs can be modified to make larger or shorter.

15. Screws - Spacers

- 15.1 Free choice of screws, can be metal or plastic ones.
- 15.2 Free choice of shims and spacers. Allowed where the original car are supplied plus front and rear axle.
- 15.3 Spacers and shims can be metal or plastic ones.

16. Braids - Wires - Terminals

- 16.1 Braid, Wires and Terminals are free choice.
- 16.2 Not allowed to solder the braid and wires.

17. Ballast

- 17.1 It is allowed to ballast the chassis (free material, solid and not magnetic).
- 17.2 It is allowed to ballast the motor pod (free material, solid and not magnetic).
- 17.3 Ballast must not be exceed the chassis perimeter and must not be visible from a top view.

18. Magnets

- 18.1 Magnets are not allowed.

19. Photoedge - Exhaust and wings

- 19.1 Some bodies / chassis are equipped with photo-etched parts, exhausts and fins. Clarifications:

Porsche 991: rear fenders can be omitted; the escape is required. the rear wheelarch intake can be replaced by lexan.

Viper: Rear gravure can be omitted.

Corvette C7R: the tip of the fender Butt can be cut straight.

The rear radiator can be omitted.

BMW Z4: gravure can be omitted front and rear.

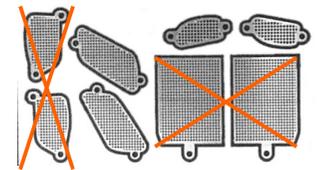
SPYKER : not allowed to replace sideexhasut with lexan

Audi R8 LMS: front hood air fan can be in Lexan.

Mercedes-AMG: possible to skip etched and replace the cover engine by lexan.

Porsche 911.2 You can omit the photo-etched of the front grill.

- 19.2 On all models the photo-etched parts for lexan can be replaced.



RACE DIRECTION:
In the event of regulatory ambiguity, the Organisation's judgment prevails