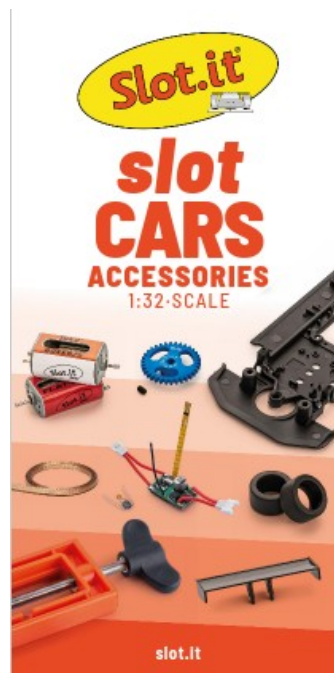




Slot.it Group C Box Stock/EVO 2024

PREMISE

- I. These regulations include the exhaustive list of conformity requirements for models participating in competitions; modifications not included in the regulation are prohibited. Certain prohibitions are made explicit for clarity.
- II. The term 'Box Stock' indicates the condition in which a model or any component is presented in its packaging for its intended use.
- III. All models and spare parts must be in Box Stock condition.
- IV. The use of a free component may not imply a modification, substitution or omission that is not defined in these regulations.
- V. These regulations cover the rules for the 'Box Stock' and 'EVO' categories. The parts permitted for the Box Stock category are a subset of those permitted in the EVO regulations and, where necessary, the differences are made explicit.
- VI. The 'Slot Car Accessories in 1/32 scale' catalogue is the only reference for all legal codes in this regulation and is published in the 'Download' section of 'www.slot.it', or: <http://catalog.slot.it/>



MOTOR ASSIGNMENT (optional)










The organisers will randomly assign one engine, one sprocket and three tyres for each model. The installation of the motor, pinion gear and tyres will take place under Parc Fermé conditions. The competitor, having chosen the pair of tyres, returns the discarded one. The number of tyres supplied depends on the type of race.

The motors are selected in advance by Slot.it by measuring both idle and under load revolutions and current consumption to ensure a homogeneous supply. Malfunctions of the engine and/or the supplied tyres are to be considered race incidents and do not entitle to any compensations or compensations in laps, time or otherwise.

1. ALLOWED MODELS

1.1 The master codes for 'CA--' models approved in any of the livery variants (indicated by a lower-case letter at the end of the code) are as follows (box stock body weight shown):

CA02 Porsche 956C LH	CA03 Porsche 962C LH
 <p style="text-align: right; background-color: orange; color: black; padding: 2px;">Body weight: 17.3g</p>	 <p style="text-align: right; background-color: orange; color: black; padding: 2px;">Body weight: 17.3g</p>
CA06 Sauber C9	CA07 Jaguar XJR6/9
 <p style="text-align: right; background-color: orange; color: black; padding: 2px;">Body weight: 21.1g</p>	 <p style="text-align: right; background-color: orange; color: black; padding: 2px;">Body weight: 22.7g</p>
CA08 Lancia LC2-84	CA09 Porsche 956C KH
 <p style="text-align: right; background-color: orange; color: black; padding: 2px;">Body weight: 20.8g</p>	 <p style="text-align: right; background-color: orange; color: black; padding: 2px;">Body weight: 18.8g</p>
CA13 Jaguar XJR12	CA15 Mazda 787B
	

Body weight: 21.1g	Body weight: 19.0g
CA17 Porsche 962C KH	CA19 Toyota 88C
	
Body weight: 17.3g	Body weight: 17.4g
CA21 Lancia LC2-85	CA25 Porsche 962 IMSA
	
Body weight: 15.6g	Body weight: 16.3g
CA28 Nissan R89C	CA34 Porsche 962C 85
	
Body weight: 15.5g	Body weight: 17.2g
CA41 Toyota 86C	CA42 Jaguar XJR10
	
Body weight: 18.9g	Body weight: 18.9g
CA52 Porsche 962C	CA--
	
Body weight: 17.6g	

1.2 Any changes, substitutions or omissions may only be made if explicitly referred to in these regulations. Sometimes, for clarity, prohibitions are explicitly stated.

1.3 Maximum track width: the wheels must not protrude from the bodywork.

2. CONFIGURATION

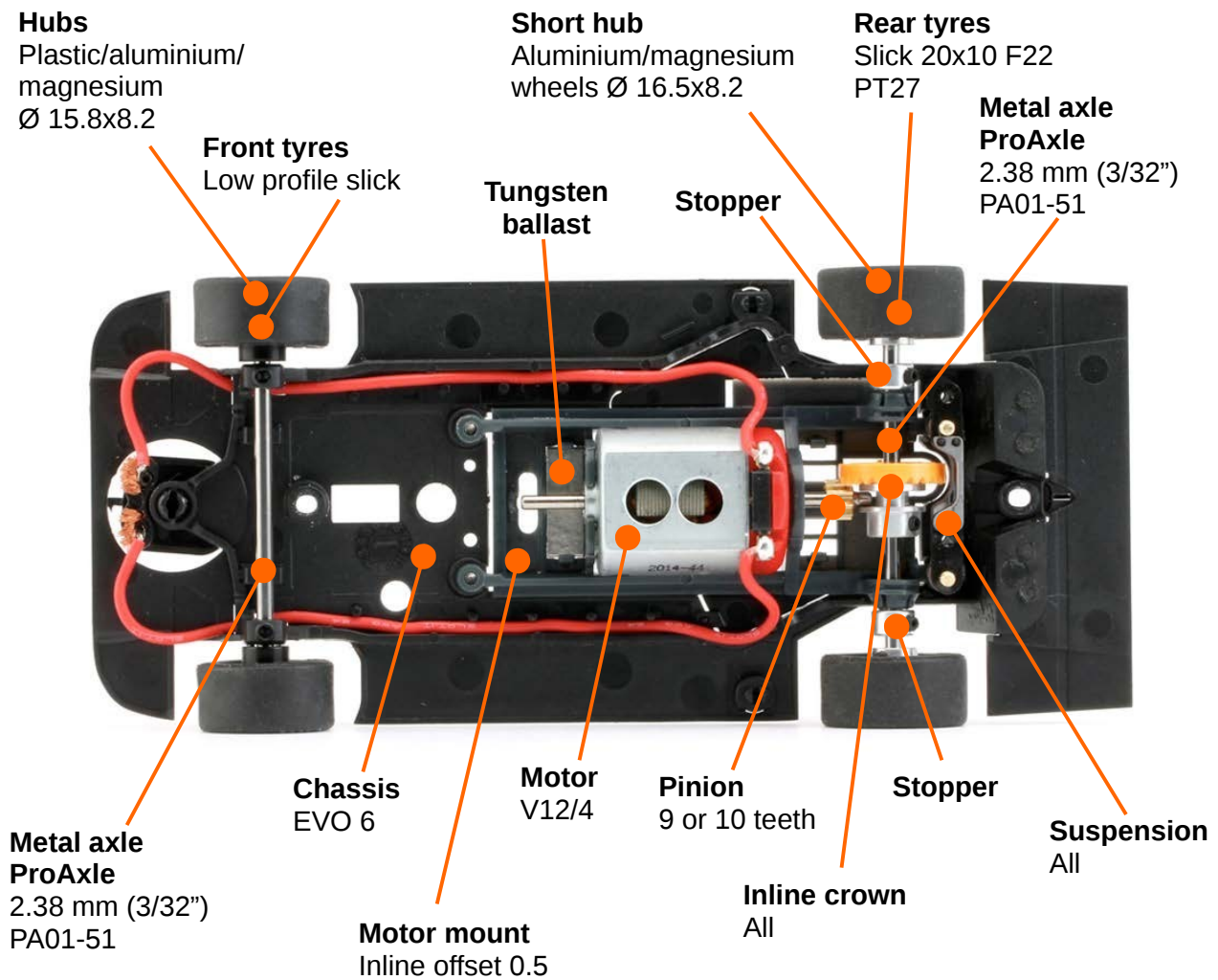
2.1 Group C Box Stock

Inline motor frame offset 0.5, pinion Z=9, sprocket Z=28 Bz.
Rear rims AL diam. 16.5, front rims PL diam. 15.8.

2.2 Group C Evo

Inline motor frame 0.5 offset, 9 or 10 tooth pinion, free sprocket.
Wheel rims: rear diameter 16.5, front diameter 15.8, any Slot.it material (Mg/Al/PI)
Suspension and ballast allowed.

Group C Box Stock / Evo configuration



3. BODYWORK AND MODIFICATIONS

- 3.1** The bodywork cannot be modified.
- 3.1.1. It is however acceptable to omit the following: rear view mirrors, windscreen wipers, side lights, front tow hook (also from the chassis), additional lights, antennas.
- 3.2** Painting the body with a specific livery is optional. Paint can only cover the outer surface.
- 3.3** Painting white bodies is obligatory and can only cover the outer surface.
- 3.4** It is forbidden to paint transparent parts.
- 3.5** The housings of the frame fixing screws can be reinforced with plastic tubes.
- 3.6** The body must be attached to the chassis with all the screws provided for the box model.
- 3.7** All the spare parts included in the sales box dedicated to the specific model can be used.
- 3.7.1. The use of all 'tear proof' spare parts and Slot.it-coded plastic cockpits is permitted.
- 3.8** Reinforcement of the aileron attachment points with resin and/or tape is permitted, provided that the shape of the bodywork is not visibly altered. The reinforcement must not alter the upper part of the aileron.
- 3.9** When installing the lighting system, it is allowed to drill holes in the bodywork in the locations of the front and rear light housings to accommodate the LEDs, according to their shape.
- 3.10** The minimum weight of the bodywork is:
- 18.0g**
- 3.10.1. This weight refers to the weight of the disassembled body, in one piece, without screws.
- 3.10.2. If necessary, ballast must be placed under the driver's cabin.
- 3.10.3. The minimum weight of the bodywork is increased by 3.0 g. for the installation of the SP16 kit and by 1.7 g. for the installation of the SP06 kit.
- 3.11** The use of the polycarbonate (lexan) cockpit is only permitted for the models in the table below. The minimum weight of the bodywork after the installation of the lightened cockpit must always comply with rule 3.10:

4. Model	5. Cockpit code
6. Sauber C9 (CA06)	7. CS05lx
8. Jaguar XJR6/9 (CA07)	9. CS07il
10. Lancia LC2-84 (CA08)	11. CS08il
12. Jaguar XJR12 (CA13)	13. CS07il

- 13.1.1. It is obligatory to paint the rider in order for the helmet, visor, arms and hands to be recognisable.

Exceptions and Restrictions

Nissan R89 C, Jaguar XJR10

- NI1.** The minimum weight of the bodywork must be measured without the rear wheel spats.
- NI2.** The rear spats must be present at the start of the stint and can only be removed at the first stop as a 'repair'. (*)

Lancia LC2/84

- LA1.** The height of the rear body-chassis attachment column can be decreased.

Jaguar XJR6/9 LM, XJR10 & XJR12

- JA1.** On all models it is legal to: modify the inside of the rear bodywork as far as the interference with the suspension is concerned, omit the wheel spats and their installation receptacles, remove the protrusions for the rear add-on frame as far as the interference with the light kit cables is concerned.
- JA2.** On XJR6/9 it is legal: replace the inner rear centre plate with the flat type, remove the two inner side plates.
- JA3.** On XJR12 it is legal: omit the photoengraved front edge.

Mazda 787 B

- MA1.** It is legal to omit the rear frame.
- MA2.** It is legal to omit the tow hook from the chassis.
- MA3.** It is legal to omit the side exhausts located near the central suspension attachments.
- MA4.** It is legal to use the 4-point frame for the motor mount.

Mercedes C9

- ME1.** It is legal to modify the integrated rear frame as far as it interferes with the suspension.
- ME2.** It is legal to remove the fins reproducing the brake air intakes as far as they interfere with the suspension

(*) Regulation NI2 may be omitted according to the specific competition regulations.

4. CHASSIS AND MODIFICATIONS

4.1 Only EVO 6 type chassis are legal.

4.1.1. for Mazda 787B models the EVO 4 chassis is legal.

4.2 The term 'Chassis' means the assembled sum of all its original components.

4.3 Cleaning the chassis from moulding burrs and chamfering the sides is permitted as long as the gap between the sides of the chassis and the bodywork does not exceed 1.0 mm.

4.4 The chassis must clearly display the name of the driver or the team to which it belongs.

4.5 The lower supports (cups) of the front axle are optional. It is permitted to chamfer their vertical outer sides in order to allow them to fit properly on the frame pins.

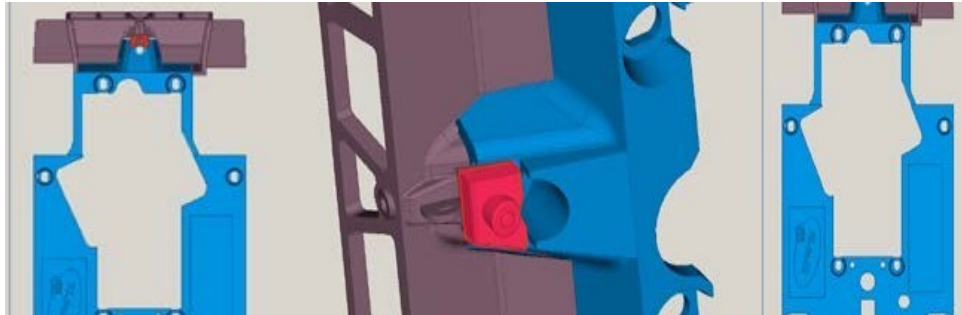
4.6 M2 hexagon screws can be used in their designated positions to adjust the position of the front axle.

4.7 Plastic front axle bushings are optional. Any Slot.it coded spherical bushing can be used. M2 hexagon screws may be used in the intended position to adjust the height of the bushings.

4.8 The maximum width of the slots for the body fixing screws is 2.6 mm.

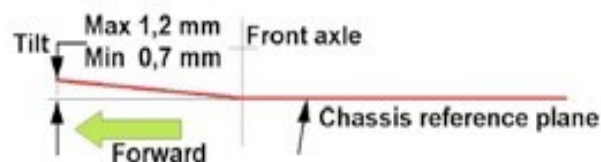
4.9 The two triangular frame appendages can be removed.

4.9.1. Porsche 956C KH (CA02) - It is permitted to remove the part highlighted in red from the chassis:



4.10 The chassis must be flat in the area between the front and rear axles.

4.10.1. Lancia LC2/85 (CA21) - The chassis area in front of the front axle must respect the original shape and therefore the following dimensions:



4.11 The minimum distance from the reference plane measured at the rear axle is 2.2 mm.

4.11.1. Measurements are taken with non-worn race wheels installed. Only for the measurement the screws can be fully tightened and the suspension fully extended.

4.12 The following Slot.it 3D-printed frames are allowed:

Model	Chassis code
Mazda 787B (CA15)	S28-ST2 S30-ST2
Jaguar XJR9 (CA07)	S29-ST2
Jaguar XJR12 (CA13)	S31-ST2
Sauber C9 (CA06)	S38-ST1

5. MOTOR MOUNT AND MODIFICATIONS

- 5.1 Motor mount CH110, offset=0.5.
- 5.2 The motor mount cannot be modified.
- 5.3 The use of Slot.it coded spherical bushings is permitted.
- 5.4 Bushings must not be glued into their housing.



6. SHAFTS (AXLES*)

- 6.1 Any Slot.it-encoded solid shaft is permitted.
- 6.2 EVO: the use of rear shaft stoppers PA25, PA57 is permitted.



* for historical reasons, nouns 'shaft' and 'axle' are used as synonyms

7. RIMS

- 6.1 Front rims permitted: 15.8 mm diameter: W15808215P, W15808225P.



EVO: W15808215A, W15808225A, W15808215M, W15808225M.



6.2 Rear rims permitted: diameter 16.5 mm: W16508215A.
EVO: W16508215A, W16508215M.



W16508215A



W16508215M

6.3 The tyre-rim contact surface must be original and clean

6.4 The use of Slot.it wheel insert of any type for 'Group C' cars is obligatory.

6.5 The 'Venturi' cover of the PA55 wheel insert can be removed.



PA31



PA34



PA55



PA53



PA48



PA65



PA44



PA30

8. CROWNS

8.1 Slot.it inline crowns with bronze hub are permitted.



GI23-bz



GI24-bz



GI25-bz



GI26-bz



GI27-bz



GI28-bz



GI29-bz



GI30-bz

8.2 EVO: any Slot.it inline crown gear. Modular crowns can only be used with the 5.5 mm pinion hub code GMF55. The number of spacers inside the crown is not regulated.

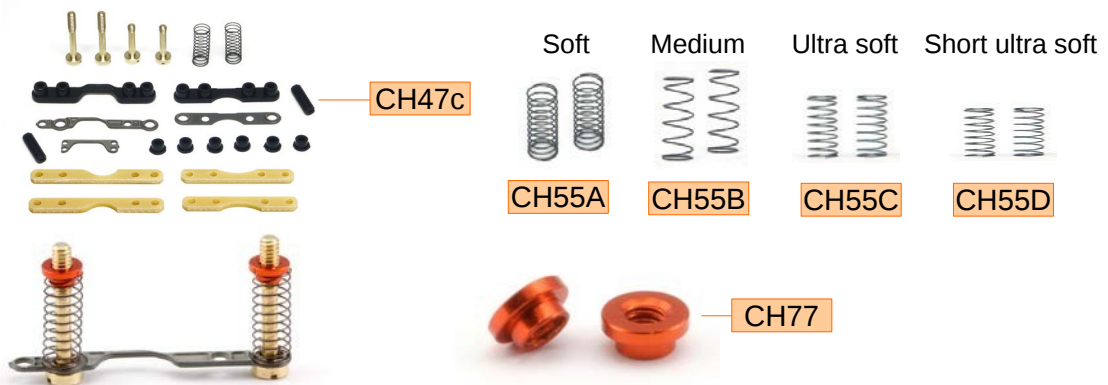


9. SUSPENSIONS (EVO only)

9.1 Suspensions can be installed on the side and/or rear.

9.2 It is permitted to install all and only Slot.it coded suspension components. Any combinations of these components is allowed.

Classic suspensions:



Magnetic suspensions:



9.3 Modifying (lengthening or shortening) the suspension springs is permitted.

9.4 Only Slot.it screw dedicated to suspension are allowed.

9.4.1. Screws can be modified.

10. TYRES

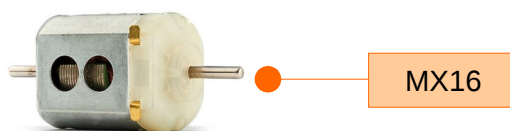
- 10.1** The homologated rear tyres are coded PT1207F22 and are supplied by the organiser.
- 10.2** The homologated front tyres are PT15, PT19, PT1214, marked recognisably Slot.it.
- 10.3** It is not permitted to glue the tyres to the rims, nor to treat them with any liquid except that provided by the organisers.

Front tyres



11. MOTOR

- 11.1** The only homologated motor is: Slot.it V12/4 23k Rpm (MX16) with Z=9 pinion (EVO: either Z=9 or Z=10).
- 11.2** The motor cannot be glued to the frame or secured with tape, but can be fastened to it with screws.
- 11.3** If the engine is supplied by the organiser of the race, it is forbidden to carry out any action that may alter its performance, including running-in and the use of any type of liquid, except external lubrication.



12. LIGHTS KIT (optional)

- 11.1** The lighting kit must be the SP16c or SP44.
 - 11.1.1.** The placement of the SP16c kit is free as long as it is inside the car.
 - 11.1.2.** The chip components of all light kits cannot be separated.
 - 11.1.3.** It is permitted to replace LEDs as long as they are white or yellow at the front and red at the rear. The LEDs must also be of homogeneous colour between similar positions.
 - 11.1.4.** The minimum number of LEDs is two at the front and two at the rear.
 - 11.1.5.** Cables are free and it is permitted to use connectors and switches as long as they are entirely inside the model.

13. WASHERS, SPACERS, SCREWS, HEXAGONAL SCREWS

- 13.1 Washers and spacers are free, metallic. They are permitted where present in the box model and on the front and rear axles.
- 13.2 Screws and exagonal screws are free unless otherwise specified in the regulations.
- 13.3 EVO: the use of the "plastic counter plugs" code CH72 or the vetronite bars code CH127 on the engine frame studs is permitted.
Vetronite bars can also be found in the suspension kit code CH47c.



14. PICK-UP

- 14.1 The following pick-ups are allowed: CH10, CH26, CH66, CH85, CH85b, CH85d.
- 14.2 It is permitted to modify the blade.
- 14.3 It is permitted to use an Allen key in the hub of CH26 and CH66.
- 14.4 Only black plastic pick-ups are permitted.



15. BRAIDS, CABLES, EYELETS

- 15.1 Contact braids, power cables, eyelets and the type of connection between power cables, braids and the pick-up are free.

16. MAGNETS

- 16.1 Magnets of any type are forbidden (unless otherwise specified locally).

17. BALLAST (EVO only)

- 17.1 It is permitted to weigh down the chassis with ballast of the type SP24 and SP25.
- 17.2 It is permitted to weigh down the motor mount with ballast of the type SP23 and SP24, in the designated locations.
- 17.3 The weights must not protrude from the perimeter of the chassis and may have no other purpose than providing ballast.

Revision matrix			
Revision	Date	Status	Modifications
3.0	24/04/2024	Obsolete	First revision of 2024
3.01	02/05/2024	Obsolete	Modified JA01, 11.1.3 Added 4.12, 11.1.4
3.02	06/05/2024	Obsolete	Added 3.11
3.03	16/05/2024	Active	Modified 1.1 Corrected 8.1 Modified 13.2 Revision paragraph 9



