



TECHNICAL REGULATIONS

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Author: GS
email: officialdisca@gmail.com

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Preamble

These regulations are applicable to 1/32 scale entry-level models of mixed GT cars. The formula is designed a starting point for the novice or club racer to become accustomed to DiSCA GT racing using mostly standard specification model cars and equipment, with some scope for performance enhancing modifications.

This is a “clubman” technical specification, which caters solely to GT type slot racing cars manufactured by Carrera. It is suited to small clubs or individuals who race using the Carrera Digital system and Carrera Digital cars with little or no modification.

Regulations in orange italics are recommendations of the association, but may be freely interpreted by the race director. The intention of these regulations is that they may serve as guidelines for domestic racers and small clubs, where local restrictions or variations may require a flexible approach to rule making.

1. Body

- 1.1. Body shells must be plastic injection-moulded replicas of road-going sports or GT cars. Racing versions and street versions are allowed
- 1.2. The original driver's cockpit must be fitted.
 - 1.2.1. Driver's cockpits may be trimmed for the benefit of fit and clearances
- 1.3. Where headlights are fitted as original equipment, they must remain connected and working.
 - 1.3.1. This rules also applies where lights are mounted to the chassis
 - 1.3.2. *It is the recommendation of DiSCA that headlights are fitted to all cars for improved visibility when racing multiple cars per lane*

2. Chassis

- 2.1. Chassis must be either of the following original equipment with in-line motor orientation
- 2.2. Chassis modifications to aid the fitment of digital chip and/or light kit are allowed
- 2.3. Chassis modifications for fit and clearances of components are allowed
- 2.4. Any other non-specified modification to the chassis is illegal
- 2.5. The body must be mounted to the chassis using the original fixing locations and methods
- 2.6. Screws and washers are free

3. Motor & Transmission

- 3.1. Motor must be original equipment
- 3.2. Motor cans must be insulated from the circuit rails
- 3.3. *Motor shafts may be shortened under the supervision of a race official*
- 3.4. Any other motor modification is illegal
- 3.5. Pinion and crown gear must be original equipment

4. Wheels & Tyres

- 4.1. Wheels must be original equipment
- 4.2. Front tyres are free, but must be rubber.
 - 4.2.1. Front tyres may be glued or varnished
- 4.3. Rear tyre compound is to be specified by of the race director
- 4.4. *The legality of glueing rear tyres is to be specified by the race director*
- 4.5. *Maximum width for rear tyres is 11.5mm*
- 4.6. When viewed from above, tyre edges must be contained within the widest point of the wheel arch

5. General

5.1. The legality of traction magnets is to be specified by the race director

5.2. Ballast is allowed, but subject to the following criteria;

5.2.1. Ballast must not be visible from any view of the car, including when viewed from the bottom

5.2.2. Ballast must be securely fixed in place at all times

5.3. Axels and bearings must be original equipment

5.4. Spacers and stoppers are free

5.5. Guide must be original equipment, or alternative “red” blade for shallow slots

5.6. Cables, braid and connectors are free.

5.6.1. Braid must be trimmed to a length shorter than the guide flag

5.7. No mechanical parts of the car, except for the guide flag, wheels and tyres, should be visible from any angle when the car is placed on the circuit.

5.7.1. The guide flag must not extend beyond the front of the car. In other words, the guide flag must not be visible in plan view.

5.7.2. It is not necessary to cover gear teeth protruding from the bottom of the chassis