

BRUSSELS SCALEX CLUB

Technical rules 24H 2019

Update 1.4 (08-07-2019)



Summary

BODY	2
CHASSIS.....	2
MOTOR MOUNT AND BUSHINGS	3
MOTOR.....	3
CROWN AND PINION.....	3
FRONT WHEEL-AXLE UNIT	3
REAR WHEEL-AXLE UNIT	3
PICKUP, BRAIDS AND WIRES	4
LIGHTING	4

Brand	Cars	Min weight of the body (with lighting and without screws)	Ballast	Magnet	Suspension
POLICAR	Ferrari P4	17,15 gr	non	non	non
SLOT.IT	Ford GT40	17,54 gr			
	Ford MKII	18,60 gr			

Everything that is not explicitly allowed on the present technical rules is forbidden, unless exceptionally allowed by the race direction.

The race direction reserves the right to modify the technical rules up to two weeks before the start of the race.

This technical rules are developed by the Brussels Scalex Club for the 24H of Brussels.

BODY

- Original body or painted and decorated white body kit.
- Original painted cockpit. No lexan cockpit.
- The body cannot be modified and shrinking of materials is forbidden, except the following points:
 - The antenna and wipers must be removed,
 - The side mirrors must be removed,
 - The brackets on the front wing of the Ford can be removed.
 - The exhaust of the Ford can be removed.
- All glasses (cockpit, lights) must remain transparent.
- The screws of the bodies are free.
- The body can be unscrewed.
- It is allowed to reinforce the screws pylons of the body with a very thin tube in light material or with glue.
- If the body hasn't the minimum weight, the possible ballast should be glued on the underside of the cockpit, below the driver (ballast without extra thickness).
- It is allowed to lightly sand the bodywork at the points of friction. (without exaggeration)

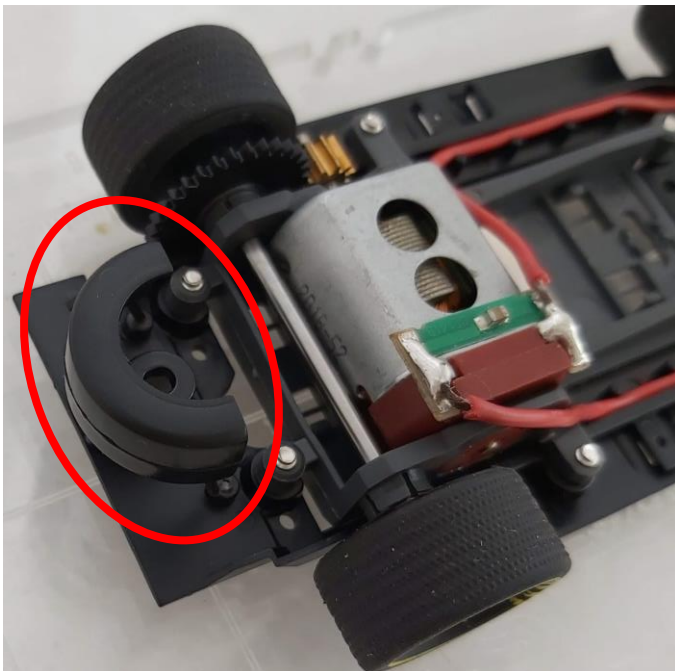


CHASSIS

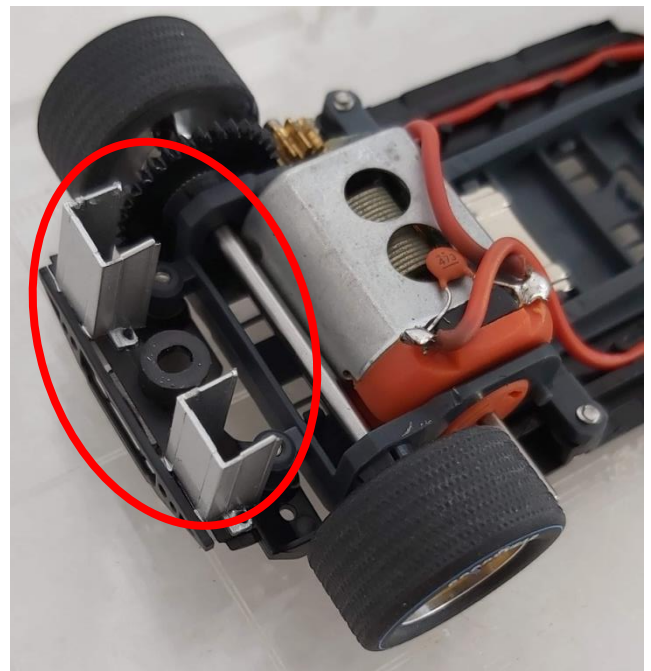
- Original chassis.
- It is allowed and recommended to cover the holes of the body's screws with a small adhesive tape.
- The chassis cannot be modified and shrinking of materials is forbidden.
- It is allowed to lightly sand the chassis at the points of friction. (without exaggeration)

Exceptions

- It is allowed to remove the « spare tire » on the Ferrari P4 chassis and the grey studs of the Ford MK2 chassis. They prevent a good movement of the bodywork.



Ferrari P4



Ford MKII

MOTOR MOUNT AND BUSHINGS

- Motor mount Slot.it offset 0,5 mm (CH67 or CH62).
- It is allowed to let move the motor mount in the chassis (Original system).
- It is allowed to cut off the side pins of the original motor mounts (CH67).
- Spherical bushings Slot.it (CH56b)

MOTOR

- Slot.it MX16 (**Provided by the organization**).
- The motor must be fixed to his mount with at least 1 of the 2 screwing possibilities.

CROWN AND PINION

- Slot.it brass pinions with a diameter of 6,5 mm (12 teeth, only PS12). A pinion will be mounted on the motor that will be provided by the organization.
- Ergal pinion authorized but not provided by the organization.
- Slot.it Sidewinder crown (diameter of 18 mm).
- Number of teeth is free.
- Plastic or ergal allowed.

FRONT WHEEL-AXLE UNIT

- Free axle.
- Washers or rings can be inserted between the chassis and the wheels.
- Slot.it wheels: only the 15,8 x 8,2 mm.
- Plastic, aluminum or magnesium wheels: W15808225P, W15808215P, W15808215A, W15808225A, W15808225M, W15808215M
- The wheels cannot exceed the width of the body at the wheel arch.
- With wheel hubs (same hubs). The wheels are not painted.
- Free front tires. They must completely cover the wheels. No « O » rings.
- Cannot be reduced.
- Can be varnished.

REAR WHEEL-AXLE UNIT

- Free axle.
- Rectified axles (ex. de type PA01-48R) are authorized and recommended.
- Washers or rings can be inserted between the chassis and the wheels.
- Slot.it wheels: only the 15,8 x 8,2 mm.
- Aluminum or magnesium wheels: W15808215A, W15808225A, W15808225M, W15808215M
- The wheels cannot exceed the width of the body at the wheel arch.
- With wheel hubs (same hubs). The wheels are not painted.
- F22 tires (F221207), **provided by the organization**.

PICKUP, BRAIDS AND WIRES

- Slot.it pickup (not modified) (CH66 or CH85).
- Spacer between the pickup and the chassis allowed.
- Braids free.
- The wiring of the pickup is free but must be made only with thin wire.

LIGHTING

- Only ZMachine Lighting kit.
- It is allowed to place a micro switch to switch on/off the lights.
- Brand and led type are free.
- White, Xenon and yellow LED lights are allowed. Only one color for both front lights.
- Red LED light only for the back of the car.
- **Intensity and color** is the **same** for both lights.
- It is not allowed to separate the capacitor from the electronic chip and both must be fixed between the body and the chassis. It is recommended to put the chip in the cockpit.
- Lighting kit with exhaust lights is allowed. Lights must be placed at the exhaust spot in the car.
- Lighting kit with 'STOP' or 'WARNING' lights are allowed.