

TECHNICAL SPECIFICATIONS

LMP24

JK C21 LMP, GTP SPORTS/GT

CAR SPECIFICATIONS

Definitions

Commercially Available: In terms of these rules, a Commercially Available item shall be defined as any item that is or has been offered for sale in ample quantities, and for an adequate period of time, that is or was freely available to any customer, that has not been modified by the seller specifically for select customers, and at a price that is or was at the time of sale comparable to other similar products in the marketplace.

2.1 LMP24

2.1.1 All cars must comply with the following specifications at the commencement of and during each event:

2.1.2 CARS

2.1.2.1 Cars shall have a maximum overall width of 83mm.

2.1.2.2 Cars shall have a maximum height of 40mm measured from the track surface.

2.1.2.3 No part of the car, except braids and tyres, shall touch the track when stationary.

2.1.3 BODIES

2.1.3.1 Bodies shall be Commercially Available 1/24th sports racing prototype semi-scale LMP or GTP bodies.

2.1.3.2 Bodies shall be painted or otherwise finished in a presentable manner, with transparent windscreen where applicable.

2.1.3.3 Bodies shall have cut out or clear wheel arches which at least correspond in position and size with the wheels on the chassis. Not applicable if a wheel decal or painted wheel facsimile is used.

2.1.3.4 Front-wheel decals or a reasonable hand-drawn/painted facsimile ± 16 mm in diameter may be applied instead of chassis-mounted front wheels. These must correspond to the position of the front wheels as provided on the body shell.

2.1.3.5 Bodies shall have, in the appropriate position, a presentably painted 2 or 3-dimensional driver consisting of the head, shoulders, hands and the upper half of a steering wheel.

2.1.3.6 Bodies shall clearly display two racing numbers, with a minimum height of 6mm; numbers will be issued based on the results of the Open Class from the previous season. The organisers will allocate racing numbers to overseas entrants.

2.1.4 CHASSIS

- 2.1.4.1 Only JK Products C21 4" Cheetah chassis may be used.
- 2.1.4.2 Aluminium pans are not allowed.
- 2.1.4.3 No structural alterations, other than detailed below, are permitted:
- 2.1.4.4 The motor mounting holes may be enlarged, but the motor mount must remain intact.
- 2.1.4.5 Rear-axle bearing mounting holes may be ground or filed to correctly align the axle.
- 2.1.4.6 Fixed body mounting pin tubes are allowed. Floating body mounts are not permitted.
- 2.1.4.7 The original bite bar may be substituted with a bite bar of a different diameter.
- 2.1.4.8 A notch or groove may be cut in the bite bar stops on the side pans, in order to facilitate the removal of the bite bar.
- 2.1.4.9 Only Oilite bushings are allowed. Ball bearings are not permitted
- 2.1.4.10 Weight may not be added to the chassis.
- 2.1.4.11 Front wheels and front axle are not required.
- 2.1.4.12 Skids are not permitted.

2.1.5 GUIDE

- 2.1.5.1 The guide shall be made from a plastic, nylon, or other non-metallic material.
- 2.1.5.2 The guide shall present a smooth surface to the slot and have no sharp edges, which could damage the track surface.
- 2.1.5.3 The guide pivot mounting shall be fixed and centred on the chassis when viewed from the front.
- 2.1.5.4 The guide shall have a maximum length of 28mm and may penetrate the slot by no more than 6.35mm.
- 2.1.5.5 The guide shall be fully enclosed by the body used.
- 2.1.5.6 Weighted guides are not permitted.

2.1.6 TYRES

- 2.1.6.1 Driving wheels shall be fitted with tyres made from black sponge rubber.
- 2.1.6.2 If non-driving wheels are fitted, the tyres shall be made from rubber or similar material and must be visible from the sides.

2.1.7 AIRDAMS & SPOILERS

- 2.1.7.1 No additional aerodynamic devices may be fitted.

2.1.8 GEARS

2.1.8.1 Only 64DP 10T pinions and 64DP 35T – 38T gears may be used.

2.1.9 MOTORS

2.1.9.1 Motors will be Mid America Products Eagle MAR605 50k handout motors, the cost of will be added to the entry fee.

2.1.9.2 Only the handout motors may be used, which will be tested and engraved by the organisers.

2.1.9.3 Motors must be screwed to the chassis using the motor mounting plate. Additionally, solder may be used to secure the motor.

2.1.9.4 A groove may be cut on the can end of the motor to clear the rear axle and the pinion end of the armature shaft may be shortened.