

SP LMP1 Technical Rule

Last edited: June 10th

Welcome to the official SP-LMP1 Vehicle Rule Handbook! This is just outlining the technical specifications you MUST HAVE in your custom LMP1 Car to compete.

You can find the team guidelines [Here](#).

You can sign your team up for this contest [Here](#).

If you are driving for you team you need to get your LMP1 drivers licence [Here](#).

You can go to the website [Here](#).

You are allowed to make two cars, one for each track(gold prix and le mans) but both must comply with these regulations.

Technical:

- 200HP Gas Engine. Less is allowed.
- Hybrid AWD system-
 - Gas engine should be hooked up to the rear wheels, and pressing an Activation Group and FireGuns should activate a secondary engine that activates the front wheels.
 - The hybrid engine powering the front wheels only MUST be 100 horsepower or less; The gas engine powering the rear wheels MUST only be 200 horsepower or less.

- Aero:
 - A DRS system is completely optional, but must be noted as included in the video description.
 - Any active aero(raising/lowering angles of wings) MUST be linked to a DRS(Drag Reducing System) that is activated temporarily with FireGuns. No hidden wings or aero (ie. sunk into the body and not visible from the outside).
- Cars are allowed a front splitter, underbody diffuser, rear wing, and top-mounted inactive aero such as a shark fin, wing slants, or other modifications.
- Roof scoops are also allowed.
- Cars should be scaled to 0.75
- No suspension regulations, but if the car flips over it is disqualified until a new entry video is created.

Bodykit:

- Must include:
 - Monocoque, wheel wells, roof, and interior seat, racing Steering wheel.
 - Air channels through parts of the body are allowed. A cockpit mounted to the body is not considered a monocoque.
 - Body MUST resemble an LMP1 car.
- **Paint**
 - Must be teams chosen colours.
 - Must include at least 2 but no more than 7 colours.
 - Your team will be assigned a number for your car.
 - The number must be displayed on the front and sides of your car.



- LIGHTS
 - Must include:
 - Headlights(white)
 - Passing indicators (yellow)
 - rear lights(red)
 - rear brake lights(red)
 - Flashing rear middle light, on at all times
 - **Interior lights. Optional.**
 - DRS/Hybrid System activation light
 - Gas Engine Online activation light
 - Flashing rear middle light, on at all times
- VIEW
 - Must be a camera or the cockpit/first person view in the monocoque facing forwards, laps can be recorded from this view or an exterior view.
- WHEELS
 - Wheels and tires may not be XML edited to have a max angular velocity over 3000 for safety requirements.

- WEIGHT
 - All cars MUST weigh over 1,850lbs
- XML modding of **DRAG** prohibited.

Details about the race are available on the team guidelines Doc. Link at the top of this page.