



## 2024 Class Rules

# Minimum Safety Requirements (All Classes)

**1 piece race suit** – 2-layer SFI / FIA rated race suits must be worn.

**Helmet** – Must be Snell / FIA rated and in good condition.

**Head and Neck restraint** – “Donut” Style is a bare minimum accepted, we will be looking to phase these out in the next year and enforce the use of HANS devices.

**Eye Protection** – Safety glasses if wearing open face / helmet visor acceptable.

**Harnesses** – minimum of a 4pt harness in good condition ie no frayed fibres, clean and mounted securely. We recommend the use of 5pt or 6pt harnesses.

**Window Nets** – must not be able to get any limbs out of the gap while harnessed into the seats.

**Fire Extinguishers** – minimum of 2kg per vehicle.

### **First Aid Kit**

**Roll cage** – minimum of 6-point roll cage, mounted safely, in good condition with good welding and design. Gussets where required.

**Seats** - must use a race seat from a reputable manufacturer and be mounted securely using metal components only. NO plastic components allowed, even if originally supplied by the manufacturer.

**Roof** – all vehicles must have a roof over the occupant's head. Minimum of 1mm steel or 3mm alloy.

**Fuel** – securely mounted fuel tank, leak free and in good condition. Alloy tanks to be phased out end of 2024. We strongly encourage the use of plastic fuel cells / safety fuel cells for petrol vehicles.

**Kill Switch** – all vehicles require a kill switch that turns off the engine when in the “off” position. This must be easily reached by driver and co-driver.

**Breakdown Safety device** – All vehicles must carry a reflective breakdown “triangle” or equivalent.



## 2024 Class Rules

# Modified Class / 4500

### FRAME & BODY

- The frame is considered to be the primary frame rails used to mount the drive train and body. It shall run from the OEM motor mount location to behind the rearmost portion of the occupants' seats. The balance of the frame shall remain whole however allowances will be made for suspension mounting.
- The stock frame should be retained, however aftermarket and custom frames are allowed. Aftermarket and custom frames must be of a boxed design with minimum dimensions of 1.5" (38mm) x 3" (75mm) x 0.120" (3.0mm).
- At static ride height the bottom of the frame rails shall be no higher than the top of the tyre. At no point shall the frame rails be closer than 16" (406mm), measured horizontally. The frame rails must remain within 4" (100mm) of vertical alignment in relation to each other for the entire length of the frame.
- The body is considered to be the exterior of the cab, bed, doors, hood, front/rear fenders, grill, etc.
- All vehicles shall resemble an OEM production vehicle, and the body shall be complete with the following limitations and exceptions: Modifications to the body for performance and/or clearance are permitted but must preserve the look of the stock body, as originally manufactured.
- For the purpose of the Modified Class a Production Vehicle is defined as any vehicle that has a minimum of 250 chassis/body combinations sold to the public.

### ENGINE

- Any and all engines are permitted with the following limitations and exceptions:
  - The back of the engine-block must be located in front of the furthest-forward portion of the driver's seat, unless otherwise-equipped, as originally manufactured in a 4WD configuration.
- Radiator mounting open.

### TRANSMISSION & TRANSFER-CASE

- Any and all transmissions and transfer cases are permitted.

## **DRIVESHAFTS & AXLES**

- Any and all driveshafts and axles are permitted.

## **STEERING**

- All vehicles must retain some type of mechanical steering linkage (e.g. 'full- hydro' steering is not permitted, unless factory-equipped matching frame), and linkage must be capable of controlling the direction of the steering wheels/tyres without the benefit of any additional power-steering aids. Rearsteer is not permitted.

## **SUSPENSION**

- Any and all suspension components and configurations are permitted.
- Shock absorbers of any make/model/type are permitted and may be installed in any location and orientation, with the following limitations and exceptions:
  - Only two shock absorbers are permitted per wheel/tyre (not including spare tyres).
  - Shock absorbers shall not be larger than 2.65" (67mm) in diameter (outer diameter of shock-body) and shall not be capable of any more than 14" (355.6mm) stroke.
  - Shock absorbers must be connected directly to the axle assembly and chassis and shall not be mounted in any way so as to yield any type of mechanical advantage, unless factory-equipped (mounting shock absorbers off-vertical is permitted and shall not be considered a mechanical advantage), or equipped with any type of independent suspension (and then shock absorbers may only be mounted to as to yield a mechanical advantage at the wheels/tyres that are independently suspended).
- Manual suspension controls (e.g., forced hydraulics) are not permitted.
- Independent Suspensions are not allowed, with the following exceptions:
  - Independent Suspended vehicles must use OEM Factory Frame and OEM Factory Body Style for that make/model year and the vehicle must have been Independent for that make/model year.
  - Frame requirements will exceed class rules to include suspension mounting points for the independent portion of the suspension.

## **TYRES**

- Tyres must be DOT-approved, with a maximum outside diameter of 37" (or equivalent), as specified on the tyre's sidewall by the original manufacturer.

## **SHARK FIN NUMBERS**

- Shark Fin numbers must be 7" (175mm) tall with 1" (25mm) brush stroke in Arial Narrow font only. Front facing and rear facing numbers must be 6" (150mm) tall.
- 4500 Class: Black numbers, PMS 151 C (light orange) background.