



# WORLD OF MOTORSPORT ZA

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NATIONAL MOTOR SPORT FEDERATION  
 WITH INTERNATIONAL FEDERATION AFFILIATION

2021

## MS - 2LITRE MODIFIED SALOON (TAR) 2021\*

### Introduction:

Competitors may enter in this class in the Year that they turn 15.

<b><u>MS 1</u></b>	<b><u>Eligibility of vehicle and bodies</u></b>
1.1	Any Saloon, GT or Coupe type car or body replicated, semi or full space framed version may be used, with the exception of station wagons and panel vans which are prohibited;
1.2	LDVs may be used
1.3	Front or rear wheel driven vehicles are permitted;
<b><u>MS 2</u></b>	<b><u>Bumpers:</u></b>
2.1	Only plastic or fiberglass bumpers not exceeding 3 mm thickness may be fitted externally for cosmetic purposes only
<b><u>MS 3</u></b>	<b><u>Brakes</u></b>
3.1	Calipers are free including the use of race type calipers.
3.2	Master cylinders are free;
3.3	Aftermarket pedal boxes may be used;
3.4	ABS systems are not permitted
<b><u>MS 4</u></b>	<b><u>Dimension and Weights</u></b>
4.1	Weight of the car including competitor shall be a minimum of 800kg.
4.2	Wheelbase of the vehicle must be within 50mm of the original manufacturers prescribed specifications
4.3	All four wheels of the vehicle must fit within the body of the vehicle, which determines the maximum dimensions
4.4	Maximum length and width of the vehicle must including the wing and aerofoil.
4.4.1	Maximum length of the vehicle is 5000mm;
4.4.2	Maximum width of the vehicle is 2000mm;
<b><u>MS 5</u></b>	<b><u>Engine and modifications</u></b>
5.1	Any 4 cylinder 8 valve or 16 valve engine may be utilized with the following conditions
5.1.1.	Engine may not exceed 2100cc
5.1.2	Engine may only be naturally aspirated
5.1.3	Modifications to the cylinder head are free
5.1.4	Sump is free
5.1.4.1	Dry Sump systems are permitted
5.1.5	Oil systems are free
5.1.6	Exhaust systems are free

5.1.7.1	Individual throttle body may not exceed 48.1mm
5.1.7.2	Plenum is free but restricted to single throttle body not exceeding 70.1mm
5.1.7.3	Side draught carburetors may not exceed 48mm
5.1.7.4	Chokes are free
5.1.7.5	Slide type throttles are not permitted
5.1.8.1	Ignition systems are free on vehicles using carburetors
5.1.8.2	Ignition systems are restricted to South African manufactured systems on vehicles using EFI
5.1.9	All other engine modifications are free
5.2	<b><u>Engine positioning</u></b>
5.2.1	The rear face of the engine is where the bell housing and the engine meet and may not be more than 600mm back of centre line of the front wheels;
<b>MS 6</b>	<b><u>Fuel</u></b>
6.1	Methanol, Racing fuel and Pump fuel permitted
6.2	Methanol lubricants may be used
<b>MS 7</b>	<b><u>Steering and suspension</u></b>
7.1	Steering rack is free
7.1.1	Power steering systems are permitted
7.2	Suspension design is free but limited to either commercially available suspension uprights as fitted to vehicles described in <b>MS 1</b> above or locally fabricated components
7.3	Adjustable spring platforms may be fitted
7.4	Competition springs are permitted
7.5	The use of rose type joints are permitted
7.6	Shock absorbers are free but restricted to a single adjustable unit only
7.6.1	May only have 1 shock per wheel
7.6.2	No shock absorber with remote reservoirs may be used
7.7	Independent rear suspensions are permitted
<b>MS 8</b>	<b><u>Transmission and drive train</u></b>
8.1	Gearboxes free;
8.2	Gear ratios are free;
8.3	Limited slip diff are allowed;
8.4	Flywheels free
8.5	Clutches and pressure plates free
<b>MS 9</b>	<b><u>Wheels and tyres</u></b>
9.1	Restricted to 195/50/15 and 205/60/13 Yokohama A048 Semi slick medium or soft compound tyres only.
9.3	Specific Championship Regulations will determine Tyre allocations.
9.4	Competitors may not use more than 6 tyres per event.
<b>MS 13</b>	<b><u>Wings</u></b>
10.1	Wings are optional
10.2	Wing designs, positioning and sizes are free with the following restrictions
10.2.1	Wing may not protrude beyond the sides of the vehicle
10.2.2	Wing endplates may not exceed 500 x 500mm and may be offset to each other.

