



WORLD OF MOTORSPORT ZA

P.O. Box 12387, Brakpan North, 1545
 18 Main Reef Rd Brakpan (on the premises of Rock Raceway)
 Tel: 011-740 1206 / 740 8315 Fax: 086 508 2388 email: womza@telkomsa.net
 www.womzasa.co.za

2016 – 2017 HOTROD SALOON CLASS (DIRT)HR

The rule of what is not specifically allowed is not permitted; refer to WOMZA Dirt Oval Technical Consultants for further clarity on the matter.

Introduction:

Competitor age restriction:

- Minimum age 13 years old for club level entries only;
- Competitor's minimum age - 14 years old are permitted to enter into this class at regional and national level with the approval of their promoter and local TC Representative.
- Reference to length and widths in the regulations shall be defined as, length, measure in the direction of, from the front of the vehicle to the back and width being measured from left to right of the vehicle;

HR1 ELIGIBILITY OF VEHICLE AND BODIES:

- 1.1** Any saloon car body permitted. Station wagons, LDV's and panel vans are not permitted. Specifically, in this class;
- 1.2** Any saloon body replica's may be constructed as a space frame, with the panels being in solid shape, patchwork pieces making up a panel will not be permitted. NO cladding bodywork must be panels or a unit;
- 1.3** **The body utilized should have been powered by a four-cylinder or three-cylinder piston driven or rotary engine;**
- 1.4** The use of an engine originating from another model manufactured by the same manufacturer or the use of an engine from another manufacturer shall be permitted, provided that such engine complies HR7;
- 1.5** Removal of alternators or charging systems is permitted;
- 1.6** Engines, Gearboxes and Diffs may only be utilized if 5000 units have been sold worldwide;
- 1.7** Silhouette of all doors, must remain standard and the driver door may not be cut away for easy access;

HR2 SAFETY:

- 2.1** Limited contact racing as described;
- 2.1.1** Limited contact shall mean nothing more than the coming together of vehicles caused by close racing, minimal shunting and nudging shall be permitted due to close racing;
- 2.1.2** Upon contact being made unintentionally or accidentally, the following vehicle shall leave enough space for the leading vehicle to regain its position on the track;
- 2.1.3** In limited contact, the intention is to permit minimal contact but the contact shall not be forceful enough to cause the lead vehicle to be placed in a different race line involuntarily;
- 2.2** Ensure that all joints in construction are welded properly – minimum 75%;
- 2.3** Sump, gearbox and differential plugs are to be wired securely;



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<p>2.4</p> <p>2.5</p>	<p>The installation of Fire extinguishers shall remain optional, however, it is highly recommended to have fire extinguishers fitted in the competitor compartment. All installations have to be well secured thus prevent the extinguisher from dislodging upon an impact;</p> <p>No in car adjustments permitted, with the exception of brake balancing;</p>
<p>HR3</p> <p>3.1</p> <p>3.2</p> <p>3.2.1</p> <p>3.2.2</p> <p>3.2.3</p> <p>3.2.4</p> <p>3.3</p> <p>3.4</p>	<p><u>BUMPERS:</u></p> <p>No external steel bumpers permitted, refer to internal bumper regulation;</p> <p>Internal bumpers</p> <p>Internal bumpers – piping material used shall have a maximum outside diameter of 38mm and a maximum wall thickness of 2mm;</p> <p>The internal bumper shall be shaped in accordance of the vehicle’s front silhouette; Additional radiator protection may be installed internally with no more than 4 mounting points;</p> <p>Vehicles that are manufactured with steel bumpers must be replaced with plastic or fibre glass bumpers, fitted with a single 38mm x 2mm pipe inside shaped according to the bumper;</p> <p>Only plastic or fibre glass bumpers not exceeding 3mm thick may be fitted externally for cosmetic purposes only, no steel stiffeners permitted;</p> <p>No piping to protrude outside of bodywork;</p>
<p>HR4</p> <p>4.1</p> <p>4.2</p> <p>4.3</p>	<p><u>BRAKES:</u></p> <p>No ABS or any other electronic driving aids is permitted;</p> <p>Brake balancing permitted;</p> <p>Brakes free with the exception of HR4.1;</p>
<p>HR5</p> <p>5.1</p> <p>5.2</p>	<p><u>CAR CONSTRUCTION:</u></p> <p>Front wheel drive cars may be converted to rear wheel drive cars and vice versa; Competitors who so wish to convert rear wheel to front wheel and vice versa, shall contact the Womza T.C for inspection and upon their approval the change will be noted in the scrutiny book;</p>
<p>HR6</p> <p>6.1</p> <p>6.2</p> <p>6.3</p> <p>6.4</p>	<p><u>DIMENSION AND WEIGHTS:</u></p> <p>Dimensions of the vehicle – All four wheels of the vehicle must fit within the body of the vehicle, which in turn must comply with the maximum dimensions of the vehicles;</p> <p>Maximum vehicle length permitted is 5000mm; (5m)</p> <p>Maximum vehicle width permitted is 2000mm; (2m)</p> <p>Weight - The vehicle may be weighed at any time and must comply to a minimum weight of 800kg including driver, excluding fire extinguisher and fluid free;</p>
<p>HR7</p> <p>7.1</p> <p>7.1.1</p> <p>7.1.2</p> <p>7.1.3</p>	<p><u>ENGINE:</u></p> <p>8 Valve units</p> <p>Limited to a maximum of 2750cc, no tolerance;</p> <p>Carburetion is free;</p> <p>Fuel injection is free except no slide type throttles permitted;</p>



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7.1.4	Engine management systems are permitted;
7.2	<u>8 VALVE WITH TURBO CHARGERS:</u>
7.2.1	Limited to 2200cc, plus 60 thou;
7.2.2	Carburation is free;
7.2.3	Fuel injection is free except no slide throttles permitted;
7.2.4	Engine management systems are permitted;
7.3	<u>MULTI VALVE UNITS:</u>
7.3.1	Limited to a maximum of 2450cc no tolerance;
7.3.2	Carburation is free;
7.3.3	Fuel injection is free except no slide type throttles are permitted;
7.3.4	Engine management systems are permitted;
7.4	<u>MULTI VALVE UNITS WITH TURBO:</u>
7.4.1	Limited to a maximum of 2000cc
7.4.2	Standard bore plus 60thouh oversize for multivalve engines of 12valve, 16valve and 20 valve;
7.4.3	Carburetion is free;
7.4.4	Fuel injection is free except no slide type throttles are permitted;
7.4.5	Engine management systems are permitted;
7.5	<u>ROTARY UNITS AND ROTARY TURBO UNITS:</u>
7.5.1	Limited to twin rotor engines, without turbo, any porting;
7.5.2	Rotary Turbo unit, maximum bridge port allowed;
7.5.3	Carburetion is free;
7.5.4	Fuel injection is free except no slide type throttles are permitted;
7.5.5	Engine management systems are permitted;
7.5.6	All rotors shall be of ferrous metal – no aluminum/titanium permitted;
7.5.7	No roller bearing eccentric shafts permitted;
7.5.8	Aftermarket intake and throttle bodies permitted;
7.5.9	No slide throttle bodies are permitted;
7.6	Turbo is limited too maximum T4;
7.7	The rear face of the engine is where the bell housing and the engine meet;
7.8	The rear face will not be more than 600mm back of the centre line of the front wheels. The centre line will be measured as per diagram;
7.9	Fuel injection open, fuel management open;
7.10	Flywheels open in this class;
7.11	Clutches mandatory and open in this class;
7.12	No motorcycle engines permitted;
HR8	<u>EXHAUSTS:</u>
8.1	Exhaust outlet must face downwards underneath the vehicle;
8.2	All piping shall be secured with saddles, preventing exhaust pipes from coming free in the event of it breaking off;
8.3	Exhaust tail pipes passing out the side of the vehicle may only do so at a maximum height of



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8.4	450mm, measured from the top of the pipe to the ground; Maximum decibels 108, measured 1metre away at 5000rpm;
HR9	<u>FUEL, FUEL MANAGEMENT AND CARBURETION:</u>
9.1	Fuel open
HR10	<u>STEERING AND SUSPENSION:</u>
10.1	Rose joints are permitted;
10.2	2, 3, 4,5, 6 link rear suspension allowed;
10.3	Spring adjustment will be permitted;
10.4	Any shock absorbers permitted;
10.5	Any production vehicle steering components may be used;
HR11	<u>TRANSMISSION:</u>
11.1	Limited slip and lock differentials are permitted;
11.2	Only road going differentials to be used;
11.3	Gear ratios are free;
11.4	Only production vehicle gearboxes permitted;
11.5	Gear sets are free;
11.6	No sequential gearboxes permitted;
HR12	<u>WHEELS AND TYRES:</u>
12.1	Normal road tyres, new or retread permitted;
12.2	Tyres must be freely available from any tyre dealer;
12.3	Tyres may not bear the inscription "not for highway use";
12.4	Under no circumstances may any names or sizes be buffed off from the tyre walls;
12.5	Rally Tyres permitted;
12.6	Tyre size; 13/14/15" maximum width 205;
12.7	All tyres have to be presented at scrutineering;
12.8	The use of bead lock rims are open;
HR13	<u>WINGS:</u>
13.1	Wings are permitted, / optional;
13.2	Wings may not exceed the body width;
13.2.1	It follows that the wings shall not protrude past the body of the vehicle in width;
13.3	Rear wing hang over may not exceed a maximum 100mm past the rear of the vehicle;
13.4	Wing end plates to be a maximum of 500mm x 500mm;
13.5	Vertical plates permitted shall not exceed 4 x vertical plates;
13.6	Vane size and choice shall be a maximum of two, the accumulative length shall not exceed the length of 600mm measured together:
13.6.1	The first horizontal vane cannot exceed 500mm in length;
13.6.2	The second vane may not exceed 100mm in length and may be adjustable;
13.7	Wing to be mounted from "B" pillar backwards;
13.8	Height of wing should be no higher than 300mm from the highest point of the roof to the highest part of the vane;



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